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WICHITA/SEDGWICK COUNTY
UNIFIED BUILDING AND TRADE CODES

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WICHITA-SEDGWICK COUNTY
UNIFIED BUILDING AND TRADE CODE

ARTICLE I: GENERAL PROVISIONS

A. TITLE

The official title of this document shall be the “Wichita-Sedgwick County Unified Building and Trade Code.” It may be referred to throughout this document as “this Code.”

B. AUTHORITY

This Code is adopted under the specific authority of K.S.A. 12-741, *et seq.*, as amended, and is intended to exercise broadly the powers granted to the City and County thereunder.

C. PURPOSE

This Code shall cover the administration and enforcement of the regulations of the national codes specifically referenced herein and as adopted by the City and County from time to time. This Code is intended to establish the minimum requirements to safeguard the public health, safety and general welfare through regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance of the various building and trade processes.

D. JURISDICTION

This Code shall apply within the City of Wichita and Sedgwick County, except in those areas lying within the corporate limits of incorporated cities other than the City of Wichita. Incorporated cities located within Sedgwick County, other than the City of Wichita, shall have the right to “opt-in” and have the provisions of this Code applicable to its jurisdiction. In the event any incorporated city elects to

opt-in, it shall be included within the definition of the Sedgwick County Jurisdiction.

"Wichita Jurisdiction" means the defined area of the incorporated limits of the City of Wichita, Kansas.

"Sedgwick County Jurisdiction" means the unincorporated area of Sedgwick County, Kansas; and those second and third class cities located within Sedgwick County that by action of their governing bodies have officially adopted this Code, regulations and standards in the same form and that have entered into separate agreements with Sedgwick County providing for enforcement of this Code within their municipal boundaries.

E. EFFECT OF THIS CODE

Although portions of this Code will be jointly administered and it is the intent of the City and County to adopt and maintain it in substantially identical form, it shall, where appropriate, be considered the individual enactment of the City of Wichita or of Sedgwick County, as applicable. If either the City or County fails to adopt this Code or amends or repeals it while the other adopts it and maintains it in force, it shall be valid within the jurisdiction that adopted and maintained it, notwithstanding its standing in the other jurisdiction.

F. SEVERABILITY

If any section, subsection, sentence, clause, phrase or portion of this Code is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portions shall be deemed separate, distinct and independent provisions and such holding shall not affect the validity of the remaining portions of this Code.

Article 1, Section 2 – Licensing and Permit Fees

TABLE A - CITY/COUNTY LICENSE FEES

CITY LICENSE FEES	2 YRS.	COUNTY LICENSE FEES	2 YRS.	COMBINED LICENSE FEES – 2 YRS.
CLASS A	\$800	CLASS A	\$300	\$1,100
CLASS B	\$400	CLASS B	\$250	\$ 650
CLASS C – Residential	\$300	CLASS C	\$200	\$ 500
CLASS D – Residential Maint.	\$120	CLASS S	\$200	\$ 320
ROOFING & SIDING	\$120	ROOFING/SIDING	\$200	\$ 320
SIDING	\$120	TOWER	\$200	\$ 320
ROOFING	\$120	MANUFACTURED HOME	\$200	\$ 320
SWIMMING POOL	\$120	SWIMMING POOL	\$200	\$ 320
WRECKING	\$120	WRECKING	\$200	\$ 320
FIRE SPRINKLER INSTALLER	\$120	FIRE SPRINKLER SYSTEM	\$200	\$ 320

TRADE LICENSE FEES THROUGH 12/31/13

ELECTRICAL LICENSES

LICENSE	CITY FEE	COUNTY FEE
Electrical	\$100.00 per year	\$200.00 / 2 years
Elevator	\$100.00 per year	\$200.00 / 2 years
Handicapped Accessibility	\$100.00 per year	\$200.00 / 2 years

MECHANICAL LICENSES

LICENSE	CITY FEE	COUNTY FEE
Air Conditioning & Heating	\$100.00 per year	\$200.00 / 2 years
Fire Suppression System Installer	\$100.00 per year	\$200.00 / 2 years
Refrigeration	\$100.00 per year	\$200.00 / 2 years
Solid Fuel	\$100.00 per year	\$200.00 / 2 years
Sheet Metal	\$100.00 per year	\$200.00 / 2 years
Solar Heat	\$100.00 per year	\$200.00 / 2 years

PLUMBING LICENSES

LICENSE	CITY FEE	COUNTY FEE
Drain Cleaner	\$100.00 per year	\$200.00 / 2 years
Drain Layer	\$100.00 per year	\$200.00 / 2 years
Fire Sprinkler	\$100.00 per year	\$200.00 / 2 years
Gas Fitter	\$100.00 per year	\$200.00 / 2 years
Lawn Irrigation	\$100.00 per year	\$200.00 / 2 years
Plumbing	\$100.00 per year	\$200.00 / 2 years
Water Conditioner	\$100.00 per year	\$200.00 / 2 years

TABLE B - CITY'S COMMERCIAL BUILDING PERMIT FEES

Total Valuation	Fee
\$1.00 to \$1,000.00	\$40.00
\$1001.00 to \$2,000.00	\$40.00 for the first \$1,000.00 plus \$3.00 for each additional \$100.00, or fraction thereof, to and including \$2,000.00
\$2,001.00 to \$40,000.00	\$70.00 for the first \$2,000.00 plus \$11.00 for each additional \$1,000.00, or fraction thereof, to and including \$40,000.00
\$40,001.00 to \$100,000.00	\$488.00 for the first \$40,000.00 plus \$9.00 for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00
\$100,001.00 to \$500,000.00	\$1,028.00 for the first \$100,000.00 plus \$7.00 for each additional \$1,000.00, or fraction thereof, to and including \$500,000.00
\$500,001.00 to \$1,000,000.00	\$3,828.00 for the first \$500,000.00 plus \$5.00 for each additional \$1,000.00, or fraction thereof, to and including \$1,000,000.00
\$1,000,001.00 to \$5,000,000.00	\$6,328.00 for the first \$1,000,000.00 plus \$3.00 for each additional \$1,000.00, or fraction thereof to and including \$5,000,000.00.
\$5,000,001.00 and up	\$18,328.00 for the first \$5,000,000.00 plus \$2.25 for each additional \$1,000.00 or fraction thereof.

Note: The above outlined Table B fee structure may be adjusted from time to time per the provisions of the City of Wichita Resolution No. R-95-560, adopted by the Wichita City Council on December 12, 1995.

TABLE C - SEDGWICK COUNTY BUILDING PERMIT FEES

<u>TOTAL VALUATION-\$</u>	<u>FEE- \$</u>	<u>TOTAL VALUATION-\$</u>	<u>FEE- \$</u>
\$1 - 500	\$33.00	\$33,001 - 34,000	\$353.00
\$501 – 600	\$35.50	\$34,001 - 35,000	\$359.00
\$601 – 700	\$38.00	\$35,001 - 36,000	\$366.00
\$701 – 800	\$40.50	\$36,001 - 37,000	\$373.00
\$801 – 900	\$43.00	\$37,001 - 38,000	\$380.00
\$901- 1,000	\$45.50	\$38,001 - 39,000	\$387.00
\$1,001 - 1,100	\$48.00	\$39,001 - 40,000	\$394.00
\$1,101 - 1,200	\$50.50	\$40,001 - 41,000	\$401.00
\$1,201 - 1,300	\$53.00	\$41,001 - 42,000	\$408.00
\$1,301 - 1,400	\$55.50	\$42,001 - 43,000	\$415.00
\$1,401 - 1,500	\$58.00	\$43,001 - 44,000	\$422.00
\$1,5001 - 1,600	\$60.50	\$44,001 - 45,000	\$429.00
\$1,6001 - 1,700	\$63.00	\$45,001 - 46,000	\$436.00
\$1,701 - 1,800	\$65.50	\$46,001 - 47,000	\$443.00
\$1,801 - 1,900	\$68.00	\$47,001 - 48,000	\$450.00
\$1,901 - 2,000	\$70.50	\$48,001 - 49,000	\$457.00
\$2,001 - 3,000	\$80.00	\$49,001 - 50,000	\$464.00
\$3,001 - 4,000	\$89.50	\$50,001 - 51,000	\$469.00
\$4,001 - 5,000	\$99.00	\$51,001 - 52,000	\$474.00
\$5,001 - 6,000	\$108.50	\$52,001 - 53,000	\$479.00
\$6,001 - 7,000	\$118.00	\$53,001 - 54,000	\$484.00
\$7,001 - 8,000	\$127.50	\$54,001 - 55,000	\$489.00
\$8,001 - 9,000	\$137.00	\$55,001 - 56,000	\$494.00
\$9,001 - 10,000	\$146.50	\$56,001 - 57,000	\$499.00
\$10,001 - 11,000	\$156.00	\$57,001 - 58,000	\$504.00
\$11,001 - 12,000	\$165.50	\$58,001 - 59,000	\$509.00
\$12,001 - 13,000	\$175.00	\$59,001 - 60,000	\$514.00
\$13,001 - 14,000	\$184.50	\$60,001 - 61,000	\$519.00
\$14,001 - 15,000	\$194.00	\$61,001 - 62,000	\$524.00
\$15,001 - 16,001	\$203.50	\$62,001 - 63,000	\$529.00
\$16,001 - 17,000	\$213.00	\$63,001 - 64,000	\$534.00
\$17,001 - 18,000	\$222.50	\$64,001 - 65,000	\$539.00
\$18,001 - 19,000	\$232.00	\$65,001 - 66,000	\$544.00
\$19,001 - 20,000	\$241.00	\$66,001 - 67,000	\$549.00
\$20,001 - 21,000	\$251.00	\$67,001 - 68,000	\$554.00
\$21,001 - 22,000	\$260.50	\$68,001 - 69,000	\$559.00
\$22,001 - 23,000	\$270.00	\$69,001 - 70,000	\$564.00
\$23,001 - 24,000	\$279.00	\$70,001 - 71,000	\$569.00
\$24,001 - 25,000	\$289.00	\$71,001 - 72,000	\$574.00
\$25,001 - 26,000	\$296.00	\$72,001 - 73,000	\$579.00
\$26,001 - 27,000	\$303.00	\$73,001 - 74,000	\$584.00
\$27,001 - 28,000	\$310.00	\$74,001 - 75,000	\$598.00
\$28,001 - 29,000	\$317.00	\$75,001 - 76,000	\$594.00
\$19,001 - 30,000	\$324.00	\$76,001 - 77,000	\$599.00
\$30,001 - 31,001	\$331.00	\$77,001 - 78,000	\$604.00
\$31,001 - 32,000	\$338.00	\$78,001 - 79,000	\$609.00
\$32,001 - 33,000	\$345.00	\$79,001 - 80,000	\$614.00

\$80,001 - 81,000	\$619.00	
\$81,001 - 82,000	\$624.00	\$714.00 FOR THE FIRST \$100,000 PLUS
\$82,001 - 83,000	\$629.00	\$4.00 FOR EACH ADDITIONAL \$1,000 OR
\$83,001 - 84,000	\$634.00	FRACTION THEREOF UP TO & INCLUDING
\$84,001 - 85,000	\$639.00	\$500,000
\$85,001 - 86,000	\$644.00	
\$86,001 - 87,000	\$649.00	\$2,299.00 FOR THE FIRST \$500,000 PLUS
\$87,001 - 88,000	\$654.00	\$3.50 FOR EACH ADDITIONAL \$1,000 OR
\$88,001 - 89,000	\$659.00	FRACTION THEREOF UP TO & INCLUDING
\$89,001 - 90,000	\$664.00	\$1,000,000
\$90,001 - 91,000	\$669.00	
\$91,001 - 92,000	\$674.00	\$4,049.00 FOR THE FIRST \$1,000,000
\$92,001 - 93,000	\$679.00	PLUS \$2.50 FOR EACH ADDITIONAL
\$92,001 - 94,001	\$684.00	\$1,000 OR FRACTION THEREOF
\$94,001 - 95,000	\$689.00	
\$95,001 - 96,001	\$694.00	\$15.00 PERMIT ISSUANCE FEE <u>IS</u>
\$96,001 - 97,000	\$699.00	<u>INCLUDED</u> IN THE ABOVE TABLE FEES.
\$97,001 - 98,000	\$704.00	
\$98,001 - 99,000	\$709.00	<u>PLAN REVIEW TO BE CALCULATED</u>
\$99,001 - 100,000	\$714.00	AT 65% OF PERMIT FEE.

In the Sedgwick County jurisdiction, the permit fees for one- and two family new dwellings shall be in accordance with the fee schedule set at fifteen cents (\$0.15) per-square-foot value for unfinished area and nineteen cents (\$0.19) per-square-foot value for finished area. The nineteen cents (\$0.19) per-square-foot valuation is inclusive of all permitting costs for electrical, mechanical & plumbing installed in such new dwellings.

TABLE D - OTHER INSPECTIONS AND FEES:

1.	Inspections outside of normal business hours (Minimum charge—two hours)	\$60.00 per hour
2.	Reinspection fees	\$50.00
3.	Inspections for which no fee is specifically indicated (Minimum charge—one-half hour)	\$40.00 per hour
4.	Plan review	55% of the building permit fee
5.	Additional plan review required by significant floor plan modifications or other major changes to the plans (Minimum charge—one-half hour)	\$40.00 per hour
6.	For use of outside consultants for plan checking and inspections, or both	Actual Costs (Actual costs include administrative and overhead costs)
7.	Conditional building permit issuance (Minimum charge: \$50.00)	Additional 25% of plan review fee
8.	Progress print submittal fee (No additional charge for conditional permit)	Additional 50% of plan review fee
9.	Change of Contractor (Minimum charge \$40.00) (See Section 18.08.030 of the City Code)	10% of original building permit fee
10.	Replacement of Inspection Record Card	\$15.00
11.	Certification of Occupancy letters—charge for research with a \$20.00 per address minimum	\$40.00 per hour
12.	Change of Address Processing Fee	\$35.00
13.	Federal Flood Plain Application Processing Fee	\$15.00
14.	Location permit	\$25.00

TABLE E - GRADING FEES/GRADING PLAN REVIEW FEES

50 cubic yards (38.2 m ³) or less	No Fee
51 to 100 cubic yards (40 m ³ to 76	\$25.00
101 to 1,000 cubic yards (77.2 m ³ to 764.6 m ³)	\$40.00
1,001 to 10,000 cubic yards (765.3 m ³ to 7645 m ³)	\$50.00
10,001 to 100,000 cubic yards (7646.3 m ³ to 76 455 m ³)	\$50.00 for the first 10,000 cubic yards (7645.5 m ³), plus \$25.00 for each additional 10,000 cubic yards (7645.5 m ³) or fraction thereof.
100,001 to 200,000 cubic yards (76 456 m ³ to 152 911m ³)	\$275.00 for the first 100,000 cubic yards (7645.5 m ³), plus \$13.00 for each additional 10,000 cubic yards (7645.5 m ³) or fraction thereof.
200,001 cubic yards (152 912 m ³) or more	\$405.00 for the first 200,000 cubic yards (152 911 m ³), plus \$7.00 for each additional 10,000 cubic yards (7645.5 m ³) or fraction thereof.
Other Fees:	
Additional plan review required by significant changes to the approved plans	\$40.00 per hour.

TABLE F - GRADING PERMIT FEES

50 cubic yards (38.2 m ³) or less	\$25.00
51 to 100 cubic yards (40 m ³ to 76.5 m ³)	\$40.00
101 to 1,000 cubic yards (77.2 m ³ to 764.6 m ³)	\$40.00 for the first 100 cubic yards (76.5 m ³) plus \$18.00 for each additional 100 cubic yards (76.5 m ³) or fraction thereof.
1,001 to 10,000 cubic yards (765.3 m ³ to 7645.5 m ³)	\$202.00 for the first 1,000 cubic yards (746.6 m ³), plus \$15.00 for each additional 1,000 cubic yards (746.6 m ³) or fraction thereof.
10,001 to 100,000 cubic yards (7646.3 m ³ to 76 455 m ³)	\$337.00 for the first 10,000 cubic yards (7645.5 m ³), plus \$66.00 for each additional 10,000 cubic yards (7645.5 m ³) or fraction thereof.
100,001 cubic yards (76 456 m ³) or more	\$931.00 for the first 100,000 cubic yards (7645.5 m ³), plus \$37.00 for each additional 10,000 cubic yards (7645.5 m ³) or fraction thereof.
Other Inspections and Fees:	
See Table D above.	

TABLE G—WRECKING PERMITS

Detached accessory structures:	
Without water, sewer, gas or metered electrical service	
1,000 square feet or less	\$ 20.00
Other buildings	
1,000 square feet or less	\$ 40.00
For each additional 1,000 square feet or fraction thereof	\$ 20.00

TABLE H—MISCELLANEOUS

Air Supported Structures	
1,000 square feet or less in floor area	\$ 85.00
For each additional 1,000 square feet or fraction thereof	\$ 10.00
Applications for moving permit	\$ 40.00
Moving permits	\$100.00
Tents (in the jurisdiction of the City of Wichita): (No building permit is required for tents of 200 square feet or less in size)	
1,000 square feet or fraction thereof	\$ 85.00
For each additional 1,000 square feet or fraction thereof	\$ 10.00
Tents (in the jurisdiction of Sedgwick County): Sedgwick County Fire Dept. #1 issues these permits.	\$ 35.00
Parking Lots: (Plan review fee assessed per Table D - Other Inspections and Fees)	
Each permit issuance	\$ 25.00
Additional charge per parking space	\$ 2.00
Automatic Sprinkler Systems and Standpipes: (Permit issued as a plumbing permit)	
Each permit issuance	\$ 25.00
Total valuation per \$1,000 or fraction thereof	\$ 18.00
Plan review fee: (fee assessed per Table D – Other Inspections and Fees)	

Towers, tanks, communications structures, wind generators and structures not specified above shall be taken on a valuation basis for issuance of the building permit.

Article 1, Sec. 2 (a) - Re-inspections.

Re-inspections. A re-inspection fee may be assessed for each inspection or re-inspection when any portion of the work for which the inspection is called for is not complete or when corrections called for are not made. This section is not to be interpreted to require fees the first time a job is rejected for failure to comply with this code. However, fees may be assessed for inspections called before the job is ready for such inspections.

Re-inspection fees may be assessed when the inspection record card is not posted or otherwise available on the work site, the required construction documents are not readily available to the inspector or for failing to provide access at the time, when the inspection was requested. In order to obtain a re-inspection, the applicant shall pay a fee of \$30.00 and request re-inspection of the job. When re-inspection fees have been assessed, no additional inspection of the job will be performed until the required fees have been paid.

Article 1, Sec. 2 (b) - Substantiation of valuation.

The building official shall, when deemed necessary, may require reasonable substantiation of valuation stated in any application for permit or any other form that may be prescribed.

Permit fees required by other sections of this Code for mechanical, plumbing and electrical installations necessary to the proper function of the building shall be in addition to the fees required by this section.

Article 1, Sec. 2 (c) - Change of contractor.

In the event a contractor does not complete work for which a valid permit has been issued and he no longer holds a valid contract for the work, a second permit must be obtained by a contractor to complete the balance of the work. A fee shall be charged for the second permit that is ten percent of the original permit fee, but in no case less than the minimum fee for a building permit. Building permits are nontransferable.

Article 1, Sec. 2 (d) - Special approval for permits required in certain hydrogeologic areas.

This Article 1, Sec. 2 (d) only applies in the jurisdiction of the City of Wichita.

In those areas of the city having a high ground water table, which areas are not served by an approved water course or storm sewer for surface water disposal, building permit applications require a special approval by the building official.

The application, in addition to providing the information required on the standard application form, shall indicate the lowest floor elevation of the proposed building, whether groundwater may be required to be pumped as a matter of waterproofing below-grade structure and, if so, the manner of water disposal.

Topographic and groundwater elevations for reference purposes are shown on the most current Hydrogeologic Map of Sedgwick County, Kansas, prepared by the State Geological Survey of Kansas.

TABLE I - Uniform Plumbing Code – City Permit Fees

Issuance of Permit	\$25.00
Minimum Permit Fee	\$40.00
Waste Openings	\$ 5.00
Reconnect Moved Building	\$12.00
Backflow Device	\$ 5.00
Interior Rainwater Drain	\$ 5.00
Gas Meter Loop/Pressure Test	\$ 5.00
Gas Opening/Pressure Test	\$ 5.00
Water Service New or Replacement	\$ 5.00

Water Service (per mobile home)	\$ 5.00
Water Heater New or Replacement	\$ 5.00
Lawn Sprinkler	\$10.00
Fire Sprinklers (valuations)	\$18.00 per thousand
Stand Pipes (number of risers)	\$36.00
Water Conditioner	\$ 5.00
Medical Gas	\$ 5.00
Miscellaneous	\$ 5.00

TABLE J – County Plumbing Permit Fees

Waste Openings	Each
Bathtub	\$ 3.50
Dishwasher	\$ 3.50
Drinking Fountain	\$ 3.50
Floor Drain	\$ 3.50
Garbage Disposal	\$ 3.50
Lavatories	\$ 3.50
Mud or Oil Trap	\$ 3.50
Sump Pump	\$ 3.50
Sinks, Kitchen	\$ 3.50
Sinks Service	\$ 3.50
Urinals	\$ 3.50
Washing Machine	\$ 3.50
Water Closets	\$ 3.50
Miscellaneous	\$ 3.50

Gas Connection (Mobile Home)	\$10.00
Gas Meter Loops	\$10.00
Gas Outlets	\$10.00
Hydronic Piping	\$10.00
Water Heater or Vents	\$10.00
Repair	\$10.00
Mobile Home Sewer & Building Sewer	\$10.00
Lawn Sprinkler System	\$10.00
Miscellaneous	\$10.00
Permit Issuance Fee	\$25.00

Provided, however, permit fees for one and two-family dwellings shall be established in accordance with the fee schedule set forth at Table B of this Code. The valuation used to determine the amount of the permit fee to be used in relation to Table B of this Code shall be seven percent of the total evaluation of a one or two-family dwelling as determined by the Director under authority of Section 107.1 of the Uniform Building Code. Payment shall be made by the general contractor at the time a building permit is issued.

A separate plumbing permit is required if work requiring a permit and inspection as defined in this Code is begun more than one hundred and eighty days from the date of the issuance of the building permit.

Expiration. Every permit issued by the Director under the provisions of this Code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within one hundred eighty days from the date of such permit, or if work authorized by such permit is suspended or abandoned at any time after the work is commenced for a period of one hundred eighty days, or one hundred eighty days have expired since an inspection was requested and such inspection was approved by the building official. Provided, that the building official may authorize the refunding of any fee paid hereunder which was erroneously paid or collected and may authorize the refunding of not more than eighty percent of the permit fee paid when no work has been done under a permit issued in accordance with this Code. No refund shall be paid except upon written application filed by the original permittee not later than one hundred eighty days after the date of fee payment.

TABLE K - Electrical permit required—City Fees listed.

Ordinary Branch Circuits On New Construction or Remodeling:	
120 volt circuits, each	\$2.00
277 volt circuits, each	\$2.25
Heating appliances less than 4500 watts, each	\$3.00
Light fixtures or lamp holders, each	\$0.75
Motors:	
1 HP or smaller, each	\$5.00
Over 1 HP, each	\$7.00
Water well motor, each	\$7.00
Special Circuits and Additions:	
Electric ranges and all heating devices over 4500 watts, each	\$9.00
Hot tubs/sauna, each	\$15.00
Clothes dryers, each	\$9.00

Special power outlets, or feeder circuits, each	\$10.00
Signs, each circuit	\$7.00
Outlets added to existing circuits	\$0.75
Transformers, each	\$12.00
Services:	
<i>480 volts or less:</i>	
100 amperes or less, per meter	\$12.00
each additional ampere	\$0.06
Construction service, per meter	\$15.00
Re-inspection—Discontinued service, per meter	\$12.00
<i>Over 480 volts:</i>	
Each service entrance	\$75.00
Construction service	\$30.00
Miscellaneous	\$15.00
Permit Issuance Fee	\$25.00

Provided also that electrical work done in conjunction with a building project covered by a building permit for a one- or two-family dwelling new construction, repair, remodel or addition is covered and permitted under the authority granted by the building permit and does not require a separate electrical permit. A separate electrical permit is required if a water well motor is installed or will be installed.

A separate electrical permit is required if work requiring a permit and inspection as defined in this Code is begun more than one hundred eighty (180) days from the date of the issuance of the building permit.

A separate electrical permit shall be required for each building or structure, or each tenant space with an electric meter, and anytime a separate electric meter is installed.

Exception: One- and two-family dwellings or multi-family dwellings when such dwelling units are not individually owned.

Any person who installs any electrical wiring for which a permit and inspection are required, or fails to report the same as ready for inspection when such work is completed, shall pay a special permit fee of double the amount of the permit issuance as listed above.

Where extra inspections are made because of faulty installation, no access or means provided to perform the inspection or failure to make necessary repairs, a fee established by the Superintendent of Central Inspection to cover the administrative costs may be charged for each inspection.

TABLE L – County Electrical Fees

Authorized Work				Each
CIRCUITS	1st, 2nd, 3rd, 4th, 5 th			1.75
	6th to 20th Inclusive			0.60
	All over 20			0.30
	Heating Appliances Less than 4500 W			1.75
SPECIAL CIRCUITS AND ADDN'S	Range or Heat Device 4500 W or Over	1st, 2nd, 3rd, or 4th		3.00
		All over 4		1.75
	Clothes Dryer	1st, 2nd, 3rd, or 4th		3.00
		All over 4		1.75
	Special Power Outlet or Feeder Circuit			3.00
	Sign, Per Circuit			1.75
	Outlets Added to Existing Circuits, or other Miscellaneous Wiring			0.25
FIXTURES	Light Fixtures or Lampholding Devices			0.25
MOTORS AIR COND.	1 Hp. Or Less			1.25
	Over 1 Hp. To 10 Hp. Inclusive			1.75
	Over 10 Hp. To 25 Hp. Inclusive			3.50
	Over 25 Hp. To 50 Hp. Inclusive			5.75
	Over 50 Hp.			12.00
SERVICE NEW SERVICE SERVICE CHANGE	480 Volts or Less	Residential	Per Meter (100 Amps or Less)	2.25
			Each Additional Amp	0.02
		Commercial	Per Meter (100 Amps or Less)	2.25
			Each Additional Amp	0.02
	Over 480 Volts		Each Service Entrance	30.00
	Construction Service			6.00
	Reconnect Service (Service Had Been Turned Off)			6.00
	Miscellaneous			6.00
	Permit Issuance Fee			25.00
	Re-inspection Fee (\$30.00 min. / \$30.00 Per Hour)			
	Special Permit Fee (2 X Scheduled)			

TABLE M - Elevator Fee Permits.

New Installations:	
Passenger or Freight Elevator, Escalator, or Moving Walk	
Up to and including \$40,000 valuation	\$125
Over \$40,000 valuation	\$125 plus \$2 for each \$1,000 or Fraction thereof over \$40,000
Dumbwaiter, Private Residence Elevator, and Handicap Lifting Equipment	
Up to and including \$10,000 valuation	\$50
Over \$10,000 valuation	\$50 plus \$1.50 for each \$1,000 for Fraction thereof over \$10,000
Alterations & Repairs:	
Total Valuation	Fee
\$1.00 to \$500.00	\$25.00
\$501.00 to \$2,000.00	\$25.00 for the first \$500.00 plus \$2.00 for each additional \$100.00, or fraction thereof, to and including \$2,000.00
\$2,001.00 to \$25,000.00	\$55.00 for the first \$2,000.00 plus \$9.00 for each additional \$1,000.00, or fraction thereof, to and including \$25,000.00
\$25,001.00 to \$50,000.00	\$262.00 for the first \$25,000.00 plus \$6.50 for each additional \$1,000.00, or fraction thereof, to and including \$50,000.00
\$50,000.00 to \$100,000.00	\$424.50 for the first \$50,000.00 plus \$4.50 for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00
\$100,001.00 to \$500,000.00	\$649.50 for the first \$100,000.00 plus \$3.50 for each additional \$1,000.00, or fraction thereof, to and including \$500,000.00
\$500,001.00 to \$1,000,000.00	\$2,049.50 for the first \$500,000.00 plus \$3.00 for each additional \$1,000.00, or fraction thereof, to and including \$1,000,000.00
\$1,000,001.00 and up	\$3,549.50 for the first \$1,000,000.00 plus \$2.00 for each additional \$1,000.00 or fraction thereof
Annual Inspection Fees:	
Fees for annual inspections as required by Article 4 of this Code.	
Routine:	
Each Elevator, Escalator and Moving	\$50.00

Walk	
Each Commercial Dumbwaiter	\$25.00
Each Commercial Handicap Lifting Equipment	\$25.00
Safety Load Test:	
Annual (per Elevator or Escalator)	\$50.00
Five Year (per Traction Elevator)	\$200.00 includes the annual fee for that year.

Any person who installs any elevators, handicapped accessibility lifts, dumbwaiters, escalators or moving walks for which a permit and inspection are required and who fails to obtain a permit prior to starting shall pay a special permit fee of double the amount of the permit issuance as listed above.

Where extra inspections are made because of detected code deficiencies requiring correction or unable to obtain access to perform the inspection, a fee established by the Superintendent of Central Inspection to cover the administrative costs may be charged for each such inspection.

TABLE N - International Mechanical Code - Permit fees.

The fees for mechanical work shall be as indicated in the following schedule.

Mechanical Work	Fees
Issuance of permit	\$25.00
Forced air furnace (2,000 cfm or less)	\$15.00
Forced air furnace (over 2,000 cfm)	\$20.00
Air handler (2,000 cfm or less)	\$15.00
Air handler (over 2,000 cfm)	\$20.00
Floor furnace	\$15.00
Wall heater	\$15.00
Room heater	\$15.00
Infrared heater	\$15.00
Unit heater	\$15.00
Tube heater	\$15.00
Air conditioner (5 ton or less)	\$12.00
Air conditioner (over 5 ton)	\$18.00
Cooling coil only	\$10.00
Refrigeration (50 HP or less)	\$15.00

Refrigeration (greater than 50 HP)	\$20.00
Roof top: combination (2,000 cfm or less)	\$27.00
Roof top: heat only (2,000 cfm or less)	\$15.00
Roof top: cooling only (2,000 cfm or less)	\$15.00
Roof top: combination (over 2,000 cfm)	\$38.00
Roof top: heat only (over 2,000 cfm)	\$20.00
Roof top: cooling only (over 2,000 cfm)	\$18.00
Chiller/water tower	\$35.00
Boilers	\$20.00
VAV boxes/Fan coils/Fan terminals	\$ 7.50
Heat recovery unit	\$35.00
Incinerator/crematory	\$35.00
Any equipment/appliance not listed	\$ 7.50
Gas fireplace	\$15.00
Solid fuel fireplace	\$15.00
Pellet stove	\$15.00
Gas logs/inserts	\$15.00
Chimney liners	\$10.00
Type one hood	\$40.00
Type two hood	\$20.00
Fume hood	\$20.00
Paint booth	\$20.00
Spray booth	\$20.00
Exhaust fan @ duct (under 500 cfm)	\$10.00
Exhaust fan @ duct (over 500 cfm)	\$15.00
Exhaust and/or ventilation systems	\$35.00
Residential dryer vent	\$15.00
Commercial dryer vent	\$30.00
Fire damper	\$ 1.00
Fire/smoke combination damper	\$ 3.00
Hydronic piping	\$15.00
Flue and/or vent connector	\$10.00
Fire suppression for hoods	\$15.00
Repairs/alterations	\$10.00
Minimum fee	\$40.00

TABLE O – County Mechanical Permit Fees

Permit Fees Per Section 304 U.M.C.	For Installation, Replacement, Repair or Relocation of any Mechanical Equipment	Each
Heating Equipment	Up to and including 100,000 BTU input	\$ 9.00
	Over 100,000 BTU input	\$11.00
	Any Floor Furnace	\$ 9.00
	Suspended, Wall or Floor Heater	\$ 9.00
	Any Vent Not Included in Appliance Permit	\$ 4.50
	Repair, Alter, or Addition to Any Appliance	\$ 9.00
Boilers, Compressors, Absorption Systems	Boiler – Compressor Absorption Sytem BTU	
	3HP or Less 100M or Less	\$ 9.00
	Over 3 Inc. 15 HP Over 100M Inc. 500M	\$16.50
	Over 15 Inc. 30 HP Over 500M Inc. 1,000M	\$22.50
	Over 30 Inc. 50 HP Over 1,000M Inc. 1,750M	\$33.50
	Over 50 Inc. Over 1,750	\$56.00
Air Handling, Vent Systems	Each Air Handling Unit to 10,000 CFM Including Ducts	\$ 6.50
	Each Air Handling Unit over 10,000 CFM Including Ducts	\$11.00
	Each Evaporative Cooler	\$ 6.50
	Each Ventilation Fan Over 500 CFM Connected to Single Duct	\$ 4.50
	Each Ventilation System	\$ 6.50
	Each Hood Served by Mechanical Exhaust	\$ 6.50
	Domestic Type Incinerator	\$11.00
	Hydronic Piping	\$10.00
	Any Appliance or Piece of Equipment Regulated by This Code – Where No Other Fee is Listed	\$ 6.50
	Issuance Fee	\$25.00

A separate heating and air-conditioning permit is required if work requiring a permit and inspection as defined in this Code is begun more than one hundred eighty (180) days from the date of the issuance of the building permit.

Exception: Every permit issued by the building official under the provisions of this Code shall expire by limitation and become null and void if the work authorized by such permit is not commenced within one hundred eighty (180) days from the date of such permit, or if work authorized by such permit is suspended or abandoned at any time after work is commenced for a period of one hundred eighty (180) days, or one hundred eighty (180) days has elapsed since an inspection as required in Section 107.1 of the International Mechanical Code, was requested and such inspection was approved by the building official.

Article 1, Section 3 – ENFORCEMENT

Procedure of Enforcement.

Wichita Jurisdiction – All violations within the Wichita Jurisdiction shall be heard by the Judge of Municipal Court.

Sedgwick County Jurisdiction – All violations within the Sedgwick County Jurisdiction shall be heard by the Judge of County Court and shall follow the procedure and requirements of Chapter 8, *Code Enforcement*, of the Sedgwick County Code, Sec. 8-1, et. seq., with the exception of Sec. 8-5.

Violations.

- (a) Any person or entity violating any provisions of this Code shall be deemed guilty of an unclassified misdemeanor and upon conviction of each violation thereof, shall be assessed a fine according to the Schedule of Fines set forth herein.
- (b) “Violation of this Code” shall mean:
 - (1) Doing any act that is prohibited or made or declared unlawful, an offense or a violation of this Code or by rule or regulation authorized by ordinance or resolution.
 - (2) Failure to perform an act that is required to be performed by this Code or by rule or regulation authorized by ordinance or resolution.
 - (3) Failure to perform an act if the failure is declared unlawful, an offense or a violation of this Code or by rule or regulation authorized by ordinance or resolution.
- (c) The imposition of a fine does not prevent revocation or suspension of a license, certificate, permit or franchise.
- (d) Violations of this Code that are continuous with respect to time may be abated by injunctive relief or other equitable relief. The imposition of a fine does not prevent equitable relief.
- (e) Violations of this Code that are continuous with respect to time shall be considered a separate violation for each day the violation continues.

Schedule of Fines. The following Schedule of Fines for violations of this Code or by rule or regulation authorized by ordinance or resolution, shall apply:

- (a) Not more than \$500.00 nor less than \$100.00 for each count upon a first conviction.
- (b) Not more than \$1,000.00 nor less than \$200.00 for each count upon a second conviction that occurs within a 12-month period of the first conviction.
- (c) Not more than \$2,000.00 nor less than \$500.00 for each count upon a third conviction that occurs within a 12-month period of the second conviction.
- (d) Not more than \$2,000.00 nor less than \$500.00 for each count upon each conviction that occurs within a 12-month period of the third conviction.

Article 1, Section 4 – CONTRACTORS – GENERAL

Sec. 1.4(a) Licensed Contractors – Established Place of Business Required.

Every Licensed Contractor who has obtained a license as set forth in this Code shall have and maintain an established place of business at a definite address and with his/her registered company name and license number displayed as it appears on his/her license. Licensed Contractors operating out of their home must conform to the requirements set forth in Sec. IV-E of the Wichita-Sedgwick County Unified Zoning Code.

Sec. 1.4(b) Licensed Contractors – Marking of Vehicles.

Any person, firm, or other legal entity required by this Code to obtain a Contractor's license shall be subject to the following:

- (a) Vehicles used in performance of installations or service regulated under this Code shall display contractors' permanent vehicle permit numbers. Such numbers shall be assigned by the Metropolitan Area Building and Construction Department to a contractor duly licensed under the provisions of this Code;
- (b) Permanent vehicle permit numbers must be affixed to both sides of vehicle(s), in a conspicuous place, either by paint of a contrasting color or by the use of a permanent decal;
- (c) Permanent vehicle permit numbers must be a minimum of two (2) inches high with a one-half (1/2) inch wide stroke per character;
- (d) A contractor's employee(s) using their personal vehicles as transportation to or from the job site must display the permanent vehicle permit marking;

(e) The contractor shall be responsible for removing the permanent vehicle permit number at the time any vehicle is taken out of service.

Violation of any provision of this Section may result in a hearing before the appropriate Board. Said Board may order any or all of the following:

1. No further permits shall be issued to the contractor until such time as the violation is abated;
2. All inspections of further work performed by the contractor will be suspended until such time as the violation is abated, excepting extreme hazard or life safety inspection; or
3. A license review, subjecting the contractor to possible suspension, recall or cancellation of the master certificate and/or license, in accordance with the specific provisions of this Code.

Exception: If the contractor chooses to advertise his or her business on their vehicles and abides with Art. 1.4(d), Truth in Advertising Requirements, then the above Section 1.4(b), Marking of Vehicles, does not apply.

Sec. 1.4(c) Insurance Requirements.

Every contractor under this Code shall procure and maintain a policy of general liability insurance covering the activities of the contractor while engaged in contracting hereunder. Such insurance policy shall be written with an insurance company licensed to do business in the state and shall have minimum limits of coverage of three hundred thousand dollars (\$300,000.00) per occurrence. In addition, every such contractor shall procure and maintain worker's compensation insurance as required by Kansas law and automobile liability insurance as required by Kansas law. Every contractor licensed under this Code shall, prior to the issuance of a license, file with the MABCD certificates of insurance evidencing the insurance coverage specified herein. All such certificates shall indicate that the MABCD shall be given at least thirty (30) days advance written notice of any cancellation or material change in coverage of such insurance. Failure of a Licensed Contractor to either procure or maintain such insurance shall be a violation of law and shall be grounds for suspension or revocation of the Licensed Contractor's license and/or the Qualified Master's certificate.

Sec. 1.4(d) Truth in Advertising Requirements.

(a) It is unlawful for any such person, firm or legal entity to advertise as a Licensed Contractor unless, at the time such advertisement occurs, such person, firm or legal entity has a then valid contractor's license issued under the provisions of this Code;

(b) Any advertisement by such person, firm or legal entity as a Licensed Contractor which is placed or published in any publication or other print medium circulated, displayed or distributed within the jurisdiction of the MABCD or which is broadcast by radio

or television or any internet posting/publication, electronic billboard, or any electronic or telephonic transmission of information, or any other means to persons within the jurisdiction of the MABCD shall include the full name of the licensed person, firm or legal entity and the license number assigned by the MABCD to such person, firm or legal entity;

(c) As used herein, the words "advertise" or "advertisement" shall mean and include, but not be limited to, a business card, contract bid proposal form, printed letterhead, any other printed or written material, or any internet posting/publication, electronic billboard, or telephonic transmission of information, designed to inform persons of the services offered by the advertising person, firm or legal entity and to solicit business from such persons, or any broadcast statement designed to inform persons of the services offered by the advertising person, firm or legal entity and to solicit business from such persons. Such words are intended to include telephone directory display ads but not basic white and yellow page listings.

Article 1, Section 5 – Board of Appeals – General Rules and Regulations

Sec. 5.1.010. - Policies for boards — minimum standards of conduct and qualifications of appointive members of boards.

The following rules and regulations shall govern the qualifications and conduct of members appointed to the advisory boards of the Metropolitan Area Building and Code Department ("MABCD"), except as provided hereinafter:

- (1) All persons appointed to the boards shall be so appointed in accordance with the terms of appointment specified in the specific Articles of this Code. Persons appointed to the board of electrical appeals, the board of code standards and appeals, the board of appeals of air conditioning, refrigeration and warm air heating, the board of appeals of plumbers and gas fitters, or the successors thereof, shall not be subject to residency requirements, provided that non-residents shall not make up more than two members less than a quorum of any such technical board, and provided further, that any non-resident member shall maintain a city-county issued certificate or license pertaining to a trade covered by the board on which the non-member serves.
- (2) No person regularly employed on a full-time basis by the city or county shall be appointed to any board.
- (3) No member of the immediate family of any member of the city council shall be appointed to a city board.
- (4) No person shall be appointed for service as a member of more than one board at the same time.
- (5) No person shall be appointed to any board who has served for eight consecutive years on such same board unless two years have elapsed since the last service.
- (6) Except when otherwise required by statute, as nearly as practicable, fifty percent of all members of boards shall be public members whose business or professions are not related directly to the affairs conducted by the board to which such persons are appointed.

(7) Voting. All boards shall discharge the responsibility of their appointive office and shall vote on all matters coming before the board, except in those particular cases of conflict of interest approved by the presiding officer, in which case a member may request permission and may be authorized to pass his or her vote. Unless a member of the board votes audibly to the contrary, or unless a member of the board is granted permission by the presiding officer to pass his or her vote on a particular matter, his or her silence in voting shall be recorded as an affirmative vote.

(8) Conflict of Interest. Each board member shall refrain from violating any of the statutes of the state (K.S.A. 75-4301, et seq.) which regulate conflicts of interest of public officers and employees, where such statutes are applicable to the board members.

(9) Public Participation. It is the policy of the city and county to allow public participation on items coming before each board in open meeting. Following the presentation of each item on the agenda, the matter shall be opened for discussion from the floor by members of the public. Each public member shall be subject to a limitation of five minutes for each presentation unless extended by a vote of the majority of the board. The presiding officer shall have the discretion to reasonably limit public comment where such presentation is exercised in a dilatory manner, is unduly repetitious or is not pertinent to the agenda item. Such time standards shall not be construed to restrict public discussion or hearings where otherwise controlled by ordinance or state or federal law. Any members of the public shall be allowed to submit items for the agenda, except for items pertaining to personnel, litigation, and other matters subject to executive session. Members of the public desiring to so present matters to the board shall submit a request in writing stating the name of the individual(s) desiring to be heard and the matter to be presented, which request shall be submitted in the time and matter provided by such board for placing items on its agenda. Items for the agenda unusually detailed or complicated, thus requiring more than five minutes for presentation, may be presented in writing prior to the meeting to allow for duplication and distribution to the board.

Sec. 5.1.020. - Same—Organizational structure of appointive boards.

The following rules and regulations shall govern the organizational structure of appointive boards:

(1) The maximum term of all members shall be not more than four consecutive two-year terms and until a successor has been duly appointed and qualified, except as may be otherwise specifically set forth. A vacancy shall be filled for the unexpired term of a member in the same manner as an original appointment.

(2) The minimum number of officers of any board shall be not less than three officers to be known as a president and two vice-presidents notwithstanding any other provision of this Code to the contrary, and such other officers as such board itself may deem necessary, all officers to be elected by the members of the board for a maximum term of not to exceed one year, and for a maximum tenure of office not to exceed two consecutive terms.

(3) A regular schedule of meetings shall be established by each board, with appropriate notice to the public, and with a minimum schedule providing for meetings to be held not less than once each month and more often as the work load requires, and with the

appropriate provisions that meetings may be called by any one of the principal officers (president or vice-presidents) or by any majority of the members.

(4) The members of each board shall be appointed from the broadest possible base of the community at large, and not from any specific organization or group except as may be otherwise provided for advisory boards.

(5) A regular full-time employee of the MABCD shall be assigned as ex officio secretary to each board for purposes of maintaining records, minutes and the handling of administrative matters without the right to vote or to perform any other function than provide administrative services.

(6) Any member of a board shall be removed from office by the city council or county commissioners after due notice and hearing for nonattendance at three consecutive meetings, or for absence of more than fifty percent of the meetings held during any twelve-month period of time. A meeting canceled for lack of a quorum is considered a meeting for purposes of recording attendance. The ex officio secretary will provide written notice to the nonattending board member and the city manager. A vacancy shall be declared unless the board member requests a hearing before the city council or county commissioner within ten days after notice is provided.

(7) Each member of any board shall disclose any conflict of interest as may arise in connection with matters being considered by the board of which he is a member, and shall refrain from discussing or voting on any such matters.

(8) All appointments shall be made to boards by written notice of appointment, which notice shall clearly state that such appointment is made subject to all the provisions outline herein, and that members so appointed may be removed for violation of any of the rules and regulations hereby established.

Sec. 5.1.030. - Same—Officers—Meetings—Adoption of rules.

The officers of the board shall be a chairperson and a vice chairperson who shall be elected by the board from among its members at the first regular meeting in July of each year. The board shall meet at least monthly at such time and place as may be fixed by the chairperson. Special meetings may be called by the chairperson or by three members of the board by giving notice at least twenty-four hours in advance of said special meeting to all members of the board. The board may adopt such bylaws and rules as it may deem necessary within the authority conferred and subject to the approval of the city council and county commission.

Article 1, Section 6 – APPEALS FROM BOARD DECISIONS

Sec. 6.1 – Appeals.

Within thirty (30) days of the final decision of the Board, any person aggrieved thereby may maintain an action in the district court of Sedgwick County to determine the reasonableness of such final decision.

ARTICLE 2 – BUILDING CODE

Article 2, Section A – Board of Code Standards and Appeal

Sec. 2.A.010 Board of code standards and appeals – Composition.

There is authorized a board of code standards and appeals which shall consist of the Director of the Metropolitan Area Building and Construction Department (“MABCD”), or the duly authorized representative, who shall serve as the secretary of the board, and nine other members, as follows:

- (1) One architect (appointed by the City);
- (2) One architect (appointed by the County);
- (3) One structural engineer (appointed by the City);
- (4) One Class A Contractor (appointed jointly);
- (5) One Class B Contractor (appointed by the County);
- (6) One Class C Contractor (appointed by the City);
- (7) One member representing real estate (appointed by the County);
- (8) One public at large member (appointed by the City);
- (9) One public at large member (appointed by the County).

The board shall elect its own chairman and make such rules as are necessary for the conduct of its business.

Sec. 2.A.020 Board of code standards and appeals created—Duties.

(a) In order to determine the suitability of alternate materials and types of construction, and to provide for reasonable interpretations of the provisions of this building code, hear and decide appeals of orders, decisions, or terminations made by the building official (Director of the MABCD, or designee) relative to the application and interpretations of this Code, there is created a board of code standards and appeals consisting of nine members who are qualified by experience and training to pass upon matters pertaining to building construction. The board shall have no authority relative to interpretation of the administrative provisions of this Code nor shall the board be empowered to waive requirements of this Code.

(b) The board shall consist of two licensed architects, one licensed structural engineer, three contractors (one from each of Classes A, B, and C), and one representative from real estate. The architects and the engineer shall be licensed by the state to practice their respective professions in the state. The nine members named above shall not be employees of the city nor the county.

The Director of the MABCD shall be an ex officio member and serve as secretary to the board but shall have no vote on the board.

(c) The board may make a periodic review of the building code and shall recommend to the city and county for adoption of such changes in the code as are necessary to be consistent with modern methods of construction.

(d) Any person whose application for a building permit for the use of an alternate material or type of construction which has been refused by the building official or who may consider that the provisions of this building code do not cover the point raised, or that any particular provision causing manifest injury to be done, may appeal to the board of code standards and appeals by serving notice on the building official, which shall state that the appellant desiring to use the alternate materials or types of construction shall guarantee payments of all expenses and appeals. Such notice shall be at once transmitted to the board, which board shall arrange for a hearing on the particular point raised. The board shall adopt reasonable rules and regulations for conducting its investigations and shall render all decisions and findings in writing to the building official with a duplicate copy to the appellant.

Sec. 2.A.030. - Building inspectors—Right of entry.

Whenever it is necessary to make an inspection to enforce the provisions of this Code, or whenever the building official or designee has reasonable cause to believe that there exists in a building or upon any premises any conditions or violations of this Code which make the building or premises unsafe, insanitary, dangerous or hazardous, the building official or designee shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the building official or designee by this Code. If such building or premises is occupied, the building official or designee shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the building official or designee shall first make a reasonable effort to locate the owner or other person having charge or control of the building or premises and request entry. If entry is refused, the building official or designee has recourse to every remedy provided by law to secure entry.

When the building official or designee has first obtained a proper inspection warrant or other remedy provided by law to secure entry, an owner or occupant or person having charge, care or control of the building or premises shall not fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the building official or designee for the purpose of inspection and examination pursuant to this Code.

Where it is necessary to make an inspection to enforce the provisions of this Code, or where the building official or designee has reasonable cause to believe that there exists in a structure or upon a premises a condition which is contrary to or in violation of this Code which makes the structure or premises unsafe, dangerous or hazardous, the building official or designee is authorized to enter the structure or premises at reasonable times to inspect or to perform the duties imposed by this Code, provided that if such structure or premises be occupied that credentials be presented to the occupant and entry requested. If such structure or premises is

unoccupied, the building official or designee shall first make a reasonable effort to locate the owner or other person having charge or control of the structure or premises and request entry. If entry is refused, the building official or designee shall have recourse to the remedies provided by law to secure entry.

Article 2, Section 1 – CONTRACTORS

Sec. 2.1.010 - Defined.

A contractor, within the meaning of this Code, is any person who undertakes, with or for another, to build, construct, alter, repair, add to or wreck any building or structure, or any portion thereof, within the city, for which a permit is required under Article 1.2.a-d - Additional Miscellaneous Requirements, for a fixed price, fee, percentage or other compensation other than wages; or who advertises or otherwise represents to the public to have the capacity or ability to undertake to build, construct, alter, repair, add to or wreck any building or structure or any portion thereof, or who builds, constructs, alters, adds to or wrecks any building or structure either on his own or other property for purposes of speculation, or for his own use; or who arranges a contract between the owner of property, or the lessee, agent or employee of such owner, and a contractor for such contractor to build, construct, alter, repair, add to or wreck any building or structure, or any portion thereof, for which a permit is required under Article 1.2.a-d - Additional Miscellaneous Requirements and who receives compensation other than wages for arranging such a contract from either such owner, or his lessee, agent or employee, or from such contractor.

Sec. 2.1.020 - Responsibilities.

A contractor shall be responsible for all work included in his contract, whether or not such work is done by him directly or by subcontractor. He shall be responsible for all funds or property received by him for prosecution or completion of a specific contract or for a specific purpose.

Sec. 2.1.030 - License Required.

No building permit shall be issued to any contractor who has not first obtained a license or who is delinquent in payment of the required license fee, or whose license has been suspended or revoked by action of the board of code standards and appeals. It is further unlawful for any person to enter into a contract with another so as to bring himself under the classification of a contractor as defined in Section 2.1.010 of this Code, or to perform any work as a contractor, or any work under a contract, without having first obtained a contractor's license. It is unlawful for any person issued a license as required by Sections 2.1.040 through 2.1.160 of this Code to contract for any work other than specified by such license, without first being approved for such other work by the board of code standards and appeals.

Sec. 2.1.040 - Licensing Authority.

The board of code standards and appeals shall issue licenses for the following classes of contractors, and the biennial fee shall be as prescribed for each class. All license fees shall be payable biennially or before the first day of the renewal cycle. Fees shall not be prorated because part of the year has elapsed.

Sec. 2.1.045 – Insurance Required. See [Article 1.4\(c\)](#) of this Code.

Sec. 2.1.050 - Truth In Advertising Requirements. See [Article 1.4\(d\)](#) of this Code.

Sec. 2.1.060 - Class A General License.

Contractor's license, class A general, shall entitle the holder thereof to contract for and to perform any act as a contractor, as defined in Section 2.1.010 of this Code, for the building, remodeling or repairing of any structure or addition thereto that is permitted by this Code.

Sec. 2.1.070 - Class B Building License.

Contractor's license, class B building, shall entitle the holder thereof to contract for and to perform any act as a contractor, as defined in Section 2.1.010 of this Code, limited to the erection, addition to, remodeling and wrecking of commercial buildings and single or multiple dwelling residential buildings, not exceeding three stories in height, and nonstructural remodels to commercial buildings exceeding three stories in height.

Sec. 2.1.080 - Class C Residential License.

Contractor's license, class C residential, shall entitle the holder thereof to contract for and to perform any act as a contractor, as defined in Section 2.1.010 of this Code, limited to construction, remodeling, repair or wrecking of one-and two-family residences, and buildings accessory thereto.

Sec. 2.1.090 - Class D Maintenance License.

Contractor's license, class D maintenance, shall entitle the holder thereof to contract for and to perform any act as a contractor as defined in Section 2.1.010 of this Code, limited to the remodel, repair and maintenance of dwelling units which are completely or partially owned by the contractor or when the contractor is a full time employee of the owner.

Sec. 2.1.100 - Swimming Pool Contractor.

Swimming pool contractor's license shall entitle the holder thereof to contract for and to excavate, construct, fabricate, install and equip all swimming pools, including the pumps, pool heaters, solar pool heaters, filters and chlorinators and that piping incidental to the re-circulating system. He may do the slab incidental to the pool.

Sec. 2.1.110 - Roofing and Siding Contractors.

Roofing and siding contractor's license shall entitle the holder thereof to contract for and to install, repair and replace roofs and exterior wall coverings. Work may include roofs and/or exterior siding, roof deck and/or siding insulation, roof and/or siding coating, painting and covering, and may include use of sheet metal or masonry and installation of other sheet metal or masonry products incidental to roofing or exterior siding work or other material in connection therewith, or any combination thereof.

Sec. 2.1.120 - Roofing Contractors.

Roofing contractor's license shall entitle the holder thereof to contract for and to install, repair and replace roofs. Work may include roof deck insulation, roof coating, painting and covering, and may include use of sheet metal and installation of other sheet metal products incidental to roofing work or other material in connection therewith, or any combination thereof.

Sec. 2.1.130 - Siding Contractors.

Siding contractor's license shall entitle the holder thereof to contract for and to install, repair and replace exterior wall coverings. Work may include exterior siding and shall include siding insulation, coating, painting and covering, and may include use of sheet metal or masonry and installation of other sheet metal or masonry products incidental to siding work, or other material in connection therewith, or any combination thereof.

Sec. 2.1.140 - Wrecking Contractor's License.

All wrecking shall be done by licensed wrecking contractors. Wrecking contractor's license shall entitle the holder thereof to wreck any building, and to deal in secondhand building materials.

A holder of a wrecking contractor's license shall first have obtained an indemnity bond in the amount of two thousand dollars, which bond shall be approved by and filed with the building official, and shall be payable to the MABCD in the event the holder fails to comply with the building code, or should the holder fail to replace or repair damaged sidewalks, curbs, gutters or streets within ten days following completion of the demolition.

Sec. 2.1.150 - Fire Sprinkler Contractor.

Those who are qualified to install, maintain, repair, alter or extend all piping for fire sprinkler systems, including the connection to the water service outlet provided for fire sprinkler systems.

Sec. 2.1.160 - Application Form and Fee.

Application for contractor's license, name change, organizational change, or change of the qualified person shall include information as the board of code standards and appeals may prescribe and shall be accompanied by a fee specified in Article 1.2 of this Code.

Each application must list a qualified person. The qualified person is considered the applicant for a license, and must have the ability to sign contracts that legally bind the individual, partnership or corporation. The qualified person shall be: the individual, for an individual license; one of the partners, for a partnership license; an officer or active member in the corporation approved by the board of code standards and appeals, for a corporate license.

Fees shall not be prorated because part of the year has elapsed.

Sec. 2.1.170 - Examinations, License Approval and Issuance.

If, in the opinion of the majority of the board of code standards and appeals, the applicant is qualified by examination or training and experience, and is financially responsible to fulfill the

obligations of a contractor, such board shall direct that the applicant be issued a license upon payment of the biennial license fee prescribed in Article 1.2 of this Code.

Change in qualified person or an organizational change requires a new license, approval by the board of code standards and appeals and payment of a new license fee.

The board of code standards and appeals is hereby authorized to give examinations to determine the qualifications of applicants. A minimum examination score of seventy-five percent is required to obtain a license. The board of code standards and appeals will accept applicants from other jurisdictions without a separate test provided: they have passed the appropriate International Conference of Building Officials, the Block & Associates, Thompson Prometric, International Code Council or other nationally recognized examination covering the International Building Codes with a minimum score of seventy-five percent. Such applicants shall provide proof of test scores from the jurisdiction where the examination was taken.

Sec. 2.1.180 - Inactive Status.

There is established an inactive status for all license holders under this Code. An inactive license shall entitle the license holder to retain the license status most recently held prior to becoming inactive upon payment of a license fee which shall be the same as that required for the most recently held license status. An inactive license shall be renewed at each renewal rotation, and if such inactive license is not renewed, it shall expire and the provisions relating to obtaining a new license shall apply. An inactive licensee is not subject to the requirements of Article 1.4(c) of this Code.

Art. 2.1.190 - Revocation.

The building official may, upon his own motion, and shall upon the verified complaint in writing of any person, require any contractor to appear before the board of code standards and appeals for hearing upon five days' notice in writing, and mailed to his last known post office address, and such board shall have the power to place on probation for a specified time period, temporarily suspend or permanently revoke the license if the holder thereof is found guilty of or commits any one or more of the following acts or omissions:

- (a) Abandonment of any contract without legal causes;
- (b) Diversion of funds or property received for performance or completion of a specific contract, or for a specified purpose in the performance or completion of any contract, and their application or use for any other contract, obligation or purpose, or the failure, neglect or refusal to use such funds or property for the performance or completion of such contract;
- (c) Fraudulent departure from or disregard of plans or specifications in any material respect, without consent of the owner or his duly authorized representative;
- (d) Willful and deliberate disregard and violation of the provisions of this Code or any other ordinance of the city, or failure to comply with any lawful order of the Director of the MABCD;
- (e) Failure to keep records showing all receipts and disbursements of the licensee in all of his transactions as a contractor as the term is defined in this Article, and to produce the

same for examination by the board of code standards and appeals when so required;

(f) Misrepresentations of a material fact by application in obtaining a license or permit;

(g) The doing of any fraudulent act by the licensee as a contractor in consequence of which another is substantially injured;

(h) Fraudulent use of license to obtain building permits for another;

(i) Carelessness or negligence in providing reasonable safety measures for the protection of workmen and the public;

(j) Failure to obtain permits as required in this Code.

(k) Failure by a corporation to have an active member or officer who has been approved by the board of code standards and appeals as a qualified person as required by Section 2.1.170 of this Code.

Sec. 2.1.200 - Renewal or reinstatement of license.

(a) All biennial licenses expire on December 31st of the next Renewal year, regardless of when the license was obtained. License renewal fees are due on or before January 2nd of the succeeding calendar year, to be known as the Renewal Year. The biennial license renewals due on the Renewal Year that are acquired at the beginning of the first week of December of the calendar year preceding the Renewal Year through January 31st of the Renewal Year are without penalty. Biennial licenses renewal after January 31st of the Renewal Year will be at the following rates:

February 1 thru the last day of February —25% of the license fee

March 1 thru the last day of March —50% of the license fee

After March 31st - 50% of license fee and required appearance before the Board.

Whenever extenuating circumstances prevented the renewal of a license (documented illness, hospitalization or other confinement) a written request to appear before the board of code standards and appeals to consider reinstatement of a license without penalty or retesting may be presented to the MABCD with an application and fee as specified in this Code.

(b) Contractors whose licenses have lapsed or have been suspended by the board shall not be reinstated until the contractor has appeared before the board to show just cause why the license should be reinstated. If the suspension involves a code violation, the contractor must also show that the violation has been corrected in accordance with this Code. The license shall be revoked if the violation is not corrected prior to the lapse of the suspension.

(c) When a license of a contractor has been revoked, a new license shall not be granted until the contractor has made application for and has passed an examination as required for the original license, and has appeared before the board to show just cause why the new license should be granted. If the license was revoked due to a code violation, a new license will not be granted until the violation has been corrected in accordance with this Code.

Sec. 2.1.210 - Hearings.

(a) *Hearings.* All matters pertaining to the approval, issuance, suspension, revocation, renewal, and reinstatement of licenses, including examinations, shall be by the board of code standards and appeals.

(b) *Appeal.* See [Article 1.5](#) of this Code.

Sec. 2.1.220 - Exemptions.

Articles 2.1.010 through 2.1.210 of this Code, inclusive, shall not apply to:

- (a) Subcontractors working for and under the supervision of a general contractor;
- (b) An owner remodeling or repairing a single-family dwelling for his own personal use and occupancy;
- (c) An owner constructing a single-family dwelling for his own personal use and occupancy, provided that only one building permit is issued within a three year period to any one individual;
- (d) An owner of a residential property may remove a portion thereof or wreck a wood framed single-family dwelling and buildings accessory thereto, provided that a permit is obtained from the MABCD prior to starting the demolition.
- (e) A job where the work involved is nonstructural and does not exceed a total cost of two thousand five hundred dollars;
- (f) Specialty contractors installing microwave dishes, antennas, poles, towers, tanks and similar structures;
- (g) A building owner or agent may install awnings on such buildings provided that a permit is obtained from the MABCD prior to the installation.
- (h) A building owner or agent may remove existing windows from such building and close the opening(s) with the same kind of wall material provided that the openings are not required by the Building Code and a permit is obtained from the MABCD prior to any such alteration.

Article 2, Section 2. - INTERNATIONAL BUILDING CODE

Sec. 2.2.010. - Adoption of the International Building Code.

The International Building Code, as published by the International Codes Council, Inc., 2006 Edition, including Appendix J, is hereby adopted and incorporated herein by reference, subject to such amendments thereto as are set forth hereinafter.

Sec. 2.2.020. - Section 101.4.1 amended.

Section 101.4.1 of the International Building Code, is amended to read as follow:

101.4.1 Electrical. The provisions of Article 4 of this Code shall apply to the installation of electrical systems, including alternations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

Sec. 2.2.030. - Section 101.4.2 amended.

Section 101.4.2 of the International Building Code, is amended to read as follows:

101.4.2 Gas. The provisions of Article 3 of this Code shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this Code. These requirements apply to gas piping systems extending from point of delivery to the inlet connections of appliances and the installation and operation of residential and commercial gas appliances and related accessories.

Sec. 2.2.040. - Section 101.4.3 amended.

Section 101.4.3 of the International Building Code, is amended to read as follows:

101.4.3 Mechanical. The provisions of Article 5 of this Code shall apply to the installation, alterations, repairs, and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilation, heating, cooling, air conditioning and refrigeration systems, incinerators, and other energy-related systems.

Sec. 2.2.050. - Section 101.4.4 amended.

Section 101.4.4 of the International Building Code, is amended to read as follows:

101.4.4 Plumbing. The provisions of Article 3 of this Code shall apply to the installation, alterations, repairs and replacement of plumbing systems, including equipment, appliances, fixtures and appurtenances, and where connected to water or sewage system and all aspects of a medical gas system.

Sec. 2.2.060. - Section 101.4.5 amended.

This Section applies only within the city limits of the City of Wichita.

Section 101.4.5 of the International Building Code, is amended to read as follows:

101.4.5 Property maintenance. The provisions of Sections 18.40 and Section 20.04 of the Code of the City of Wichita shall apply to existing structures and premises; equipment and facilities; light, ventilation, space heating, sanitation, life and fire safety, hazards; responsibilities of owners, operators and occupants; and occupancy of existing premises and structures.

Sec. 2.2.070. - Section 101.4.6 amended.

Section 101.4.6 of the International Building Code, is amended to read as follows:

101.4.6 Fire prevention. The provisions of Title 15 of the City Code of the City of Wichita or Section 12 of Code of Sedgwick County shall apply to matters affecting or relating to structures, processes and premises from the hazard of fire and explosion arising from storage, handling or use of structures, materials, or devices; from conditions hazardous to life, property or public welfare in the occupancy of structures or premises; and from the construction, extension, repair, alteration or removal of fire suppression and alarm systems or fire hazards in the structure or on the premises from occupancy or operation.

Sec. 2.2.080. - Section 101.4.7 deleted.

Section 101.4.7 of the International Building Code, is deleted.

Sec. 2.2.090. - Section 103.3 amended.

Section 103.3 of the International Building Code, is amended to read as follows:

103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the building official shall have the authority to appoint a deputy building official, the related technical officers, inspectors, plans examiner(s) and other employees having powers as delegated by the building official.

Sec. 2.2.100. - Section 105.1 amended.

Section 105.1 of the International Building Code, is amended to read as follows:

105.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or outdoor paved area, of which is regulated by this Code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit.

Sec. 2.2.110. - Section 105.1.1 deleted.

Section 105.1.1 of the International Building Code, is deleted.

Sec. 2.2.120. - Section 105.1.2 deleted.

Section 105.1.2 of the International Building Code, is deleted.

Sec. 2.2.130. - Section 105.2 amended.

Section 105.2 of the International Building Code, is amended to read as follows:

105.2 Work exempt from permit. Exemptions from permit requirements of this Code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this Code or any other laws or ordinances of this jurisdiction. Permits shall

not be required for the following:

Building:

1. (a). One-story accessory structures not to exceed 200 square feet (18m²).

All detached accessory structures greater than 25 s.f. (2.3 m²) but equal to or less than 400 s.f. (37.16 m²) square feet shall be tied down to the earth using anchoring methods described in the MABCD's "Non Vehicle Storage Structure Anchoring Standards".

(b). Playhouses or tree houses having single or multi-level floors with or without roofs.

2. (a). Concrete or masonry fences not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall and other fences not over 8 feet (2438 mm) high, unless the fence encloses an outdoor seating area.

(b). Concrete or masonry monument sign bases not over 4 feet (1219 mm) in height measured from the lowest point of the adjoining grade. The sign size and content requires separate approval and permit.

3. Oil derricks.

4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or III-A liquids.

5. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,927 L) and the ratio of height to diameter or width does not exceed 2 to 1.

6. Sidewalks and driveways not more than 30 inches (762 mm) above grade and not over any basement or story below.

7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finishes.

8. Temporary motion picture, television and theater stage sets and scenery.

9. Prefabricated swimming pools accessory to a Group R, Division 3 occupancy that are less than 24 inches (610 mm) deep, do not exceed 5,000 gallons (19,000 L) and are installed entirely above ground.

10. Swings and other playground equipment.

11. Windows awnings supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.

12. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

13. Interior platforms not over 200 square feet (18.58 m²) in area, nor more than 30 inches (762 mm) above the adjacent floor.

14. Exterior decks, curb ramps (maximum 6 inch (153 mm) vertical rise), stoops and porches not more than 30 inches (762 mm) above grade without overhead structures and not over any basement or story below.

15. Emergency board-up or securing of a building and installing temporary bracing after a fire, storm, vehicle damage or other disaster, which caused the building to be open or unsafe. The building owner or his/her agent may cause such work to be done provided the MABCD is notified on the following business day.

16. Repair or Replacement roofing and/or siding materials not exceeding 400 square feet (37.16 m²) within any 12-month period.

17. Repair or replacement of interior gypsum wallboard on non-fire rated walls or ceilings when the total area does not exceed 100 square feet (9.29 m²) within any 12-month period and provided that no framing, electrical, mechanical or plumbing changes are made.

18. Paved areas not used for the purpose of parking or storage of vehicles and/or equipment or storage.

19. Replacement of windows or doors or replacement of roof skylights or equipment with the same size or smaller unit(s) that does not involve the removal, cutting, alteration or replacement of any building structural member; including but not limited to studs, headers, girders, beams, joists, rafters, cripples, jacks or other supportive framing member(s). The framing used to infill existing openings for the purpose of installing smaller unit(s) shall be exempt from permit requirements. Placement of smaller windows or doors shall not reduce the minimum size requirements of escape and rescue openings, or egress door(s), or fire department access required by this Code. The replacement door or window shall not be of a lower fire rating than the original assembly, unless a lower fire rating is allowed by this Code.

Electrical:

Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

Radio and television transmitting stations: The provisions of this Code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.

Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliances.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this Code.
5. Replacement of any minor part that does not alter its approval or make it unsafe.
6. Portable evaporate cooler.
7. Self-contained refrigeration systems containing 10 pounds (5 kg) or less of refrigerant or that are actuated by motors of 1 horsepower (746 W) or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this Code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Sec. 2.2.140. - Section 105.2.1 amended.

Section 105.2.1 of the International Building Code, is amended to read follows:

105.2.1 Emergency repairs. Where repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day to the building official.

Sec. 2.2.150. - Section 105.2.2 amended.

Section 105.2.2 of the International Building Code, is amended to read as follows:

105.2.2 Repairs. Application or notice to the building official is not required for ordinary repairs to structures. Such repairs shall not include the cutting away or any wall, partition or portion thereof, the removal or cutting of any structural beam or load bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements.

Sec. 2.2.160. - Section 105.2.3 deleted.

Section 105.2.3 of the International Building Code, is deleted.

Sec. 2.2.170. - Section 105.5 amended.

Section 105.5 of the International Building Code, is amended to read as follows:

105.5 Expiration. Every permit issued shall expire unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Work shall be considered to have been suspended or abandoned if it has been more than 180 days since the last requested inspection. Before work can be recommenced, the permit must be reinstated. The fee for the re-instatement shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work; and that such suspension or abandonment has not exceeded one year. In order to resume work after suspension or abandonment for a period of one year, a new permit shall be required. The building official is authorized to grant, one or more extensions of time, for periods not more than 180 days each. The extensions shall be requested in writing and justifiable cause demonstrated.

Sec. 2.2.180. - Section 105.7 amended.

Section 105.7 of the International Building Code, is amended to read as follows:

105.7 Placement of permit. Work requiring a permit shall not be commenced until the permit holder or an agent of the permit holder has posted or has made available an inspection record card such as to allow the building official to conveniently make the required entries thereon regarding inspection of the work. This card shall be maintained and made available by the permit holder until final approval has been granted by the building official.

Sec. 2.2.190. - Section 108.2 amended.

Section 108.2 of the International Building Code, is amended to read as follows:

108.2 Schedule of permit fees. On buildings, structures or alternations requiring a permit, a fee for each permit shall be paid as required, in accordance with the fee schedule as established by Article 1.2 of this Code.

Sec. 2.2.200. - Plan review fees.

Plan review fees. When submittal documents are required by Section 106 of the International Building Code, a plan review fee shall be paid at the time of submitting the documents for plan review. When submitted for a project within the city limits of the City of Wichita, said plan review fee shall be 55 percent of the building permit fee as shown in Table B of this Code. The plan review fees specified in this section are separate fees from those fees set forth in Section 108.2 of the International Building Code and are in addition to building permit fees. When submittal documents are incomplete or changed so as to require additional plan review or when the project involves deferred submittal items as defined in Section 106.3.4.2 of the International Building Code, an additional plan review fee shall be charged at the rate shown in Table D of this Code.

When submitted for a project within the unincorporated area of Sedgwick County, including the small cities under contract for inspection services, said plan review fee shall be 65 percent of the building permit fee as shown in Table C of this Code. The plan review fees specified in this section are separate fees from those fees set forth in Section 108.2 of the International Building Code and are in addition to building permit fees.

Sec. 2.2.210. - Section 108.6 amended.

Section 108.6 of the International Building Code, is amended to read as follows:

108.6 Refunds. The building official may authorize refunding of any fee paid hereunder, which was erroneously paid or collected. The building official may authorize refunding of not more than 80 percent of the fee paid when no work has been done under a permit issued in accordance with this Code and the period of 180 days has not expired since the issuance of said permit.

Sec. 2.2.220. - Section 109.3.10 amended.

Section 109.3.10 of the International Building Code, is amended to read as follows:

109.3.10 Final inspection. The final inspection shall be made after all work required by the building permit is completed. If landscaping is required by the building permit, the landscaping shall be installed by the holder of the building permit, property owner, or their duly authorized agent. A letter of credit or bond in the amount of 125% of the cost of the landscaping shall be submitted to the MABCD before the final inspection approval will be issued to the contractor. The building shall not be occupied prior to obtaining final inspection approval.

Sec. 2.2.230. - Section 110.2 amended.

Section 110.2 of the International Building Code, is amended to read as follows:

110.2 Certificate issued. After the building official inspects the building or structure and finds no violation of the provisions of this Code or other laws that are enforced by the MABCD, the building official shall issue a certificate of occupancy that contains the following:

1. The building permit number.
2. The address of the structure.
3. The name of the owner.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the various sections of the Wichita-Sedgwick County Unified Building and Trade Code regulating building construction or use.

Sec. 2.2.240. - Section 111 deleted.

Section 111 of the International Building Code, is deleted.

Sec. 2.2.250. - Section 305.2 amended.

Section 305.2 of the International Building Code, is amended to read as follows:

305.2 Day care. The use of a building or structure, or portion thereof, for educational, supervision or personal care services for more than ten children older than 2½ years of age, shall be classified as a Group E occupancy.

Sec. 2.2.260. - Section 308.2 amended.

Section 308.2 of the International Building Code, is amended to read as follows:

308.2 Group I-1. This occupancy shall include buildings, structures or parts thereof housing more than 16 persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment that provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff. This group shall include, but not be limited to, the following:

Residential board and care facilities

Assisted living facilities

Halfway houses

Group homes

Congregate care facilities

Social rehabilitation facilities

Alcohol and drug centers

Convalescent facilities

A facility such as the above with ten or fewer persons shall be classified as a Group R-3 or shall comply with the *International Residential Code* in accordance with Section 101.2. A facility such as above, housing at least eleven and not more than 16 persons, shall be classified as Group R-4.

Sec. 2.2.270. - Section 308.5 amended.

Section 308.5 of the International Building Code, is amended to read as follows:

308.5 Group I-4, day care facilities. This group shall include buildings and structures occupied by persons of any age who receive custodial care for less than 24 hours by individuals other than parents or guardians, relatives by blood, marriage or adoption, and in a place other than the home of the person cared for. A facility such as the above with ten or

fewer persons shall be classified as a Group R-3 or shall comply with the International Residential Code in accordance with Section 101.2. Places of worship during religious functions are not included.

Sec. 2.2.280. - Section 308.5.1 amended.

Section 308.5.1 of the International Building Code, is amended to read as follows:

Section 308.5.1 of the International Building Code, is amended to read as follows:

308.5.1 Adult care facility. A facility that provides accommodations for less than 24 hours for more than ten unrelated adults and provides supervision and personal care services shall be classified as Group I-4.

Exception: A facility where occupants are capable of responding to an emergency situation without physical assistance from the staff shall be classified as Group R-3.

Sec. 2.2.290. - Section 308.5.2 amended.

Section 308.5.2 of the International Building Code, is amended to read as follows:

308.5.2 Child care facility. A facility that provides supervision and personal care on less than a 24-hour basis for more than ten children 2½ years of age or less shall be classified as Group I-4.

Exception: A child day care facility that provides care for more than ten but no more than 100 children 2½ years or less of age, when the rooms where such children are cared for are located on the level of exit discharge and each of these child care rooms has an exit door directly to the exterior, shall be classified as Group E.

Sec. 2.2.300. - Section 310.1 amended.

Section 310.1 of the International Building Code, is amended to read as follows:

310.1 Residential Group R. Residential Group R includes, among others, the use of a building or structure, or a portion thereof, for sleeping purposes when not classified as an Institution Group I or when not regulated by the *International Residential Code* in accordance with Section 101.2. Residential occupancies shall include the following:

R-1 Residential occupancies containing sleeping units where the occupants are primarily transient in nature, including:

Boarding houses (transient)

Hotels (transient)

Motels (transient)

R-2 Residential occupancies containing sleeping units or more than two dwelling units where the occupancies are primarily permanent in nature, including:

Apartment houses
Boarding houses (not transient)
Convents
Dormitories
Fraternities and sororities
Hotels (nontransient)
Vacation timeshare properties

Congregate living facilities with 16 or fewer occupants are permitted to comply with the construction requirements for Group R-3.

R-3 Residential occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:

Buildings that do not contain more than two dwelling units.

Adult facilities that provide accommodations for ten or fewer persons of any age for less than 24 hours.

Child care facilities that provide accommodations for ten or fewer persons of any age for less than 24 hours.

Congregate living facilities with 16 or fewer persons.

Adult and child care facilities that are within a single-family home are permitted to comply with the *International Residential Code*.

R-4 Residential occupancies shall include buildings arranged for occupancy as residential care/assisted living facilities including more than ten but not more than 16 occupants, excluding staff.

Group R-4 occupancies shall meet the requirements for construction as defined for Group R-3, except as otherwise provided for in this Code, or shall comply with the *International Residential Code*.

Sec. 2.2.310. - Section 402.6.1 created.

Section 402.6.1 of the International Building Code, is hereby created to read as follows:

402.6.1 Reduced open space. The permanent open space of 60 feet shall be permitted to be reduced to not less than 40 feet, provided the following requirements are met:

1. The reduced open space shall not be allowed for more than 75 percent of the perimeter of the covered mall building and anchor buildings.
2. The exterior wall facing the reduced open space shall have a minimum fire-resistance rating of 3 hours.

3. Openings in the exterior wall facing the reduced open space shall have opening protectives with a minimum fire protection rating of 3 hours.
4. Group E, H, I, or R occupancies are not within the covered mall building or anchor stores.

Sec. 2.2.320. - Section 406.2.2 amended.

Section 406.2.2 of the International Building Code, is amended to read as follows:

406.2.2 Clear height. The clear height of each floor level in vehicle and pedestrian traffic areas shall not be less than 7 feet (2134 mm). Vehicle and pedestrian areas accommodating van-accessible parking required by the guidelines of the Americans with Disabilities Act (ADA) must have a minimum clear height of 98 inches to and on each level accommodating van accessible parking and meet all provisions of Americans with Disabilities Act Accessibility Guideline (ADAAG) 4.6.5.

Sec. 2.2.330. - Section 408.3.1 amended.

Section 408.3.1 of the International Building Code, is amended to read as follows:

408.3.1 Door width. Doors to resident sleeping units shall have a clear width of not less than 32 inches (813 mm).

Sec. 2.2.340. - Section 412.2.1 amended.

Section 412.2.1 of the International Building Code, is amended to read as follows:

412.2.1 Exterior walls. Exterior walls located less than 25 feet (7692 mm) from property lines, lot lines or a public way shall have a fire-resistance rating not less than 2 hours.

Sec. 2.2.350. - Section 412.2.3 amended.

Section 412.2.3 of the International Building Code, is amended to read as follows:

412.2.3 Floor surface. Floors shall be graded and drained to prevent water or fuel from remaining on the floor. Floor drains shall discharge through an oil separator to the sanitary sewer.

Exception: Aircraft hangars with individual lease spaces not exceeding 2,000 square feet (186 m²) each in which servicing, repairing or washing is not conducted and fuel is not dispensed shall have floors that are graded toward the door, but shall not require a separator.

Sec. 2.2.360. - Section 412.2.6 amended.

Section 412.2.6 of the International Building Code, is amended to read as follows:

[F] *412.2.6 Fire suppression.* Aircraft hangars shall be provided with fire suppression as required by NFPA 409. Aircraft Maintenance Hangar shall be defined as any of following:

major disassembling, inspection, and reassembling of aircraft; repair of aircraft; modification of the aircraft, rebuilding of structural damage, correction of a system malfunction or replacement of a major component; aircraft painting or paint removal; aircraft engine overhaul and maintenance; welding operations; and aircraft fuel tank or system repair or cleaning. Aircraft Storage Hangar shall be defined as any of following: Routine service checks, corrections of flight crew complaints, and minor repair and maintenance preformed while the aircraft is routinely in out-of-flight status.

Exceptions: 1. Aircraft Maintenance Hangars, shall not require an automatic sprinkler and foam-extinguishing system where the fire area does not exceed 17,500 square feet (1626 m²) and the following conditions are met:

- a. The hangar access door height of 28 feet (8.5m) or less.
- b. The building is protected by an approved Monitored Optical Fire Detection System throughout.

2. Aircraft Storage Hangars, shall not require an automatic sprinkler and foam-extinguishing system where the fire area does not exceed 26,000 square feet (2416 m²) and the following conditions are met:

- a. The hangar access door height of 28 feet (8.5m) or less.
- b. The building is protected by an approved Monitored Optical Fire Detection System throughout.

3. Group II hangers as defined in NFPA 409 storing private aircraft are exempt from foam suppression requirements.

Sec. 2.2.365. - Sections 421—421.3.4, 421.4—421.6.

Section 421, 421.1, 421.2, 421.3, 421.3.1, 421.3.2, 421.3.3, 421.3.4, 421.4, 421.5, 421.6, 421.7 and 421.8 of the International Building Code is hereby created to read as follows:

421 Occupancies. Live/work units shall be classified as a Group R-2 occupancy. Separation requirements found in Section 508 shall not apply within the live/work unit when the live/work unit is in compliance with Section 419. High hazard and storage occupancies shall not be permitted in a live/work unit. The aggregate area of storage in the nonresidential portion of the live/work unit shall be limited to 10 percent of the space dedicated to nonresidential activities. 421.1 General. A live/work unit is a dwelling unit or sleeping unit in which a significant portion of the space includes a nonresidential use that is operated by the tenant and shall comply with sections 419.1 through 419.8.

Exception: Dwelling or sleeping units that include an office that is less than 10 percent of the area of the dwelling unit shall not be classified as a live/work unit.

421.2 Limitations. The following shall apply to all live/work areas:

1. The live/work unit is permitted to be a maximum of 3,000 square feet;
2. The nonresidential area is permitted to be a maximum 50 percent of the area of

each live/work unit;

3. The nonresidential area function shall be limited to the first or main floor only of the live/work unit; and

4. A maximum of five nonresidential workers or employees are allowed to occupy the nonresidential area at any one time.

421.3 Means of Egress. Except as modified by this section, the provisions for Group R-2 occupancies in Chapter 10 shall apply to the entire live/work unit.

421.3.1 Egress Capacity. The egress capacity for each element of the live/work unit shall be based on the occupant load for the function served in accordance with Table 1004.1.1.

421.3.2 Sliding Doors. Where doors in a means of egress are of the horizontal sliding type, the force to slide the door to its fully open position shall not exceed 50 pounds with a perpendicular force against the door of 50 pounds.

421.3.3 Spiral Stairs. Spiral stairs that conform to the requirements of Section 1009.8 shall be permitted.

421.3.4 Locks. Egress doors shall be permitted to be locked in accordance with Exception 4 of Section 1008.1.8.3.

421.4 Vertical Openings. Floor openings between floor levels of a live/work unit are permitted without enclosure.

421.5 Fire Protection. The live/work unit shall be provided with a monitored fire alarm system where required by Section 907.2.9 and an automatic sprinkler system in accordance with Section 903.2.7 as amended.

421.6 Structural. Floor loading for the area within a live/work unit shall be designed to conform to Table 1607.1 based on the function within the space.

421.7 Accessibility. Accessibility shall be designed in accordance with Chapter 11.

421.8 Ventilation. The applicable requirements of the International Mechanical Code shall apply to each area within the live/work unit for the function within that space.

Sec. 2.2.370. - Section 507.3 amended.

Section 507.3 of the International Building Code, is amended to read as follows:

507.3 Sprinklered, one story. The area of a one-story, Group B, E, F, M, or S building or a one-story Group A-1, A-2 or A-4 building of other than Type V construction shall not be limited when the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1 and is surrounded and adjoined by public ways or yards not less than 60 feet (18288 mm) in width.

Exceptions:

1. Buildings and structures of Type I and II construction for rack storage facilities that do

not have access by the public shall not be limited in height, provided that such buildings conform to the requirements of Sections 507.2 and 903.3.1.1 and NFPA 230.

2. The automatic sprinkler system shall not be required in areas occupied for indoor participant sports, such as tennis, skating, swimming and equestrian activities in occupancies in Group A-4, provided that:

2.1 Exit doors directly to the outside are provided for occupants of the participant sports areas; and

2.2 The building is equipped with a fire alarm system with manual fire alarm boxes installed in accordance with Section 907.

3. Group A-1 and A-2 occupancies of other than Type V construction shall be permitted, provided:

3.1 All assembly and educational occupancies are separated from other spaces as required for separated uses in Section 508.3.3.4 with no reduction allowed in the fire-resistance rating of the separation based upon the installation of an automatic sprinkler system.

3.2 Each Group A and E occupancy shall not exceed the maximum allowable area permitted in Section 503.1; and

3.3 All required exists shall discharge directly to the exterior.

Sec. 2.2.380. - Section 507.6 amended.

Section 507.6 of the International Building Code, is amended to read as follows:

507.6 Group A-3 buildings. The area of a one-story, Group A-3 building of Type II construction shall not be limited when all of the following criteria are met:

1. The building shall not have a stage other than platform.

2. The building shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

3. The building shall be surrounded and adjoining by public ways or yards not less than 60 feet (18288 mm) in width.

Sec. 2.2.390. - Table 508.2 amended.

Table 508.2 of the International Building Code, is amended to read as follows:

TABLE 508.2 - INCIDENTAL USE AREAS

ROOM OR AREA	SEPARATION AND/OR PROTECTION
Furnace room where any piece of Equipment is over 400,000 Btu Per hour input	1 hour or provide automatic fire-extinguishing system
Rooms with boilers where the Largest piece of equipment is Over 15 psi and 10 horsepower	1 hour or provide automatic fire-extinguishing system
Refrigerant machinery rooms	1 hour or provide automatic sprinkler system
Parking garage (Section 406.2)	2 hours; or 1 hour and provide automatic fire-extinguishing system
Hydrogen cut-off rooms, not Classified as Group H	1-hour in Group B, F, M, S and U occupancies. 2-hour in Group A, E, I and R occupancies
Incinerator rooms	2 hours and automatic sprinkler system
Paint shops, not classified as Group H, located in occupancies Other than Group F	2 hours; or 1 hour and provide automatic fire-extinguishing system
Laboratories and vocational Shops, not classified as Group H, located in Group E or I-2 occupancies	1-hour or provide automatic fire-extinguishing system
Laundry rooms over 100 square Feet	1 hour or provide automatic fire-extinguishing system
Group I-3 cells equipped with Padded surfaces	1 hour
Group I-2 waste and linen collection rooms	1 hour
Waste and linen collection rooms over 100 square feet	1 hour or provide automatic fire-extinguishing system
Stationary lead-acid battery systems having a liquid capacity of more than 100 gallons used for facility standby power, emergency power or uninterrupted power supplies	1-hour in Group B, F, M, S and U occupancies. 2-hour in Group A, E, I and R occupancies.

For SI: 1 square foot + 0.0929 m², 1 pound per square inch = 6.9kPa.

1 British thermal unit per hour = 0.293 watts, 1 horsepower = 746 watts.

1 gallon = 8.79 L.

Sec. 2.2.400. - Table 601 amended.

Table 601 of the International Building Code, is amended to read as follows:

TABLE 601^(h) - FIRE-RESISTANCE RATING REQUIREMENTS
FOR BUILDING ELEMENTS (hours)

BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A ^e	B	A ^e	B	HT	A ^e	B
Primary Structural Frame ^a	3 ^b	2 ^b	1	0	1	0	HT	1	0
Bearing walls									
Exterior ^g	3	2	1	0	2	2	2	1	0
Interior	3 ^b	2 ^b	1	0	1	0	1/HT	1	0
Nonbearing walls and partitions	See Table 602								
Exterior									
Nonbearing Walls And Partitions									
Interior ^f	0	0	0	0	0	0	See Section 602.4.6	0	0
Floor construction and secondary members	2	2	1	0	1	0	HT	1	0
Roof construction and secondary members	1 1/2 ^c	1 ^{c, d}	1 ^{c, d}	0 ^{c, d}	1 ^{c, d}	0 ^{c, d}	HT	1 ^{c, d}	0

For SI: 1 foot = 304.8mm.

- a. The primary structural frame shall be considered to be the columns and the girders, beams, trusses and spandrels having direct connections to the column and bracing members designed to carry gravity loads. The following structural members shall be considered secondary members and not part of the primary structural frame:

- i. Structural members not having direct connections to the columns;
 - ii. Members of the floor construction not having direct connections to the columns; and
 - iii. Bracing members other than those that are part of the primary structural frame.
- b. Roof supports: Fire-resistance ratings of structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.
- c. Except in Group F-1, H, M, and S-1 occupancies, fire protection of structural members shall not be required, including protection of roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
- d. In all occupancies, heavy timber shall be allowed where 1-hour or less fire-resistance rating is required.
- e. An approved automatic sprinkler system in accordance with Section 903.3.1.1 shall be allowed to be substituted for 1-hour fire-resistance-rated construction, provided such system is not otherwise required by other provisions of this code or used for an allowable area increase in accordance with Section 506.3 or an allowable height increase in accordance with Section 504.2. The 1-hour substitution for the fire resistance of exterior walls shall not be permitted.
- f. Not less than the fire-resistance rating required by other sections of this code.
- g. Not less than the fire-resistance rating based on fire separation distance (See Table 602).
- h. Canopies under which temporary transactions occur or the loading and unloading of passengers of private or pleasure-type motor vehicles may be of non-combustible construction, subject to the following conditions:
 - i. The canopy is open on three or more sides and is not more than 1500 square feet (139.4 m²).
 - ii. Canopy structures shall not be located in areas where building openings are prohibited or openings are required to be protected by Table 602.

- iii. Buildings or portions thereof with exits having canopy structures located over the exit discharge shall be provided with an alternate means of egress as required by Section 1015.2.1.

Sec. 2.2.410. - Chapter 5, Section 508.5.1 amended – Where required, Exception.

Section 2.2.410 applies only within the city limits of the City of Wichita.

Chapter 5, Section 508.5.1 of the International Fire Code, **2006 Edition**, is amended to read as follows:

Section 508.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet (122m) from a hydrant on a fire apparatus access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exceptions:

1. For Group R-3 and Group U occupancies, the distance requirement shall be 500 feet (152,400 mm).
2. For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance requirement shall be 500 feet (152,400 mm).

Sec. 2.2.420. - Section 704.2 amended.

Section 704.2 of the International Building Code, is amended to read as follows:

704.2 Projections. Cornices, eave overhangs, exterior balconies and similar projections extending beyond the floor area shall conform to the requirements of this section and Section 1406. Exterior egress balconies and exterior exit stairways shall also comply with Sections 1014.5 and 1023.1, respectively. Projections shall be no closer than 5 ft. (1524 mm) to the property line or the assumed property line.

Sec. 2.2.430. - Section 704.5 amended.

Section 704.5 of the International Building Code, is amended to read as follows:

704.5 Fire-resistance ratings. Exterior walls shall be fire-resistance rated in accordance with Tables 601 and 602. The fire-resistance rating of exterior walls with a fire separation distance of equal to or greater than 5 feet (1524 mm) shall be rated for exposure to fire from the inside. The fire-resistance rating of exterior walls with a fire separation distance of less than 5 feet (1524 mm) shall be rated for exposure to fire from both sides.

Sec. 2.2.440. - Table 704.8 amended.

Table 704.8 of the International Building Code, is amended to read as follows:

TABLE 704.8 - MAXIMUM AREA OF EXTERIOR WALL OPENINGS^a

FIRE SEPARATION DISTANCE (feet)								
CLASSIFIC ATION OF OPENINGS	0 to less than 3^{f,j}	3 to less than 5^{c, g}	5 to less than 10^{c, e, g, h}	10 to less than 15^{d, e, g}	15 to less than 20^{d,g}	20 to less than 25^{d,g}	25 to less than 30^{d,g}	30 or greater
Unprotected	Not Permitted	Not Permitted ^c	10% ¹	15% ¹	25% ¹	45% ¹	70% ¹	No Limit ^b
Protected	Not Permitted	15%	25%	45%	75%	No Limit ^b	No Limit ^b	No Limit ^b

For SI: 1 foot = 304.8mm.

- a. Values given are percentage of the area of the exterior wall.
- b. See Section 704.7 for unexposed surface temperature.
- c. For occupancies in Group R-3, the maximum percentage of unprotected and protected exterior wall openings shall be 25 percent.
- d. The area of openings in an open parking structure with a fire separation distance of equal or greater than 10 feet shall not be limited.
- e. For occupancies in Group H-2 or H-3, unprotected openings shall not be permitted for openings with a fire separation distance of less than 15 feet.
- f. For requirements for fire walls for buildings with different heights, see Section 705.6.1.
- g. The area of unprotected and protected openings is not limited for occupancies in Group R-3, with a fire separation distance equal to and greater than 5 feet.
- h. For special requirements for Group U occupancies, see Section 406.1.2.

- i. Buildings whose exterior bearing wall, exterior nonbearing wall and exterior structural frame are not required to the fire-resistance rated by Table No. 601 or 602 shall be permitted to have unlimited unprotected openings.
- j. Includes accessory buildings to Group R-3.

Sec. 2.2.450. - Section 704.11 amended.

Section 704.11 of the International Building Code, is amended to read as follows:

704.11 Parapets. Parapets shall be provided on exterior walls of buildings.

Exceptions: A parapet need not be provided on an exterior wall where any of the following conditions exist:

1. The wall is not required to be fire-resistance rated in accordance with Table 602 because of fire separation distance.
2. The building has an area of not more than 1,000 square feet (93 m²) on any floor.
3. Walls that terminate at roofs of not less than 2-hour fire-resistance-rated construction or where the roof, including the deck and supporting construction, is constructed entirely of noncombustible materials.
4. One-hour fire-resistance-rated exterior walls that terminate at the underside of the roof sheathing, deck or slab, provided:
 - 4.1. Where the roof/ceiling framing elements are parallel to the walls, such framing and elements supporting such framing shall not be of less than 1-hour fire-resistance-rated construction for a width of 4 feet (1220 mm) for Groups R and U and 10 feet (3048 mm) for other occupancies, measured from the interior side of wall.
 - 4.2. Where roof/ceiling framing elements are not parallel to the wall, the entire span of such framing shall not be less than 1-hour fire-resistance-rated construction.
 - 4.3. Openings in the roof shall not be located within 5 feet (1524 mm) of the 1-hour fire-resistance-rated exterior wall for Group R and U and 10 feet (3048 mm) for other occupancies, measured from the interior side of the wall.
 - 4.4. The entire building shall be provided with not less than a Class B roof covering.
5. In Group R-2 and R-3 where the entire building is provided with a Class C roof covering, the exterior wall shall be permitted to terminate at the underside of the roof sheathing or deck in Type III, IV and V construction, provided:
 - 5.1. The roof sheathing or deck is constructed of approved noncombustible materials or of fire-retardant-treated wood for a distance of 4 feet (1220 mm); or
 - 5.2. The roof is protected with 0.625-inch (16 mm) Type X gypsum board directly beneath the underside of the roof sheathing or deck, supported by a minimum of

nominal 2-inch (51 mm) ledgers attached to the sides of the roof framing members for a minimum distance of 4 feet (1220 mm).

6. Where the wall is located no closer than 5 feet (1524 mm) to the property line or assumed property line.

Sec. 2.2.460. - Section 705.1 amended.

Section 705.1 of the International Building Code, is amended to read as follows:

705.1 General. Each portion of a building separated by one or more fire walls that comply with the provisions of this section shall be considered a separate building. The extent and location of such fire walls shall provide a complete separation. Where a fire wall also separates occupancies that are required to be separated by a fire barrier wall, the most restrictive requirements of each separation shall apply.

Exceptions:

1. Area separation walls constructed prior to the adoption of the 2000 Edition of the International Building Code may be increased in length by not more than 25 percent of the length of the existing wall, not to exceed 30 feet. The method of construction and fire rating of the additional wall length shall be in general conformance to that of the existing wall.
2. Where building separation is required by the adopted electrical code to allow for multiple electrical services, the firewall may be constructed in accordance with the provisions of a two-hour fire barrier per Section 706. If the fire wall coincides with that of a required fire barrier, then the most restrictive requirement shall apply. For allowable area purposes, the building is considered as one structure with no benefit from the fire wall.

Sec. 2.2.470. - Section 706.5 amended.

Section 706.5 of the International Building Code, is amended to read as follows:

706.5 Continuity. Fire barriers shall extend from the top of the floor/ceiling assembly below to the underside of the floor or roof slab or deck above and shall be securely attached thereto. Such fire barriers shall be continuous through concealed spaces, such as the space above a suspended ceiling. The supporting construction for the fire barrier walls shall be protected to afford the required fire-resistance rating of the fire barrier supported, except for 1-hour fire-resistance-rated incidental use area separations as required by Table 508.2 in buildings of Type IIB, IIIB, and VB construction. Hollow vertical spaces within a fire barrier shall be fireblocked in accordance with Section 717.2 at every floor level.

Exceptions:

1. The maximum required fire-resistance rating for assemblies supporting fire barriers separating tank storage as provided for in Section 415.6.2.1 shall be 2 hours, but not less than required by Table 601 for the building construction type.
2. Shaft enclosures shall be permitted to terminate at a top enclosure complying with Section 707.12.

3. Protection of supporting construction of a fire barrier required to extend through a concealed space of an exterior architectural element is not required where the use below is transient in nature and has little or no impact to fire loading.

Sec. 2.2.480. - Section 715.5.7.2 amended.

Section 715.5.7.2 of the International Building Code, is amended to read as follows:

715.5.7.2 Size limitations. The total area of windows shall not exceed 25 percent of the area of the area of a common wall with any room.

Exception: Window openings of unlimited area may be glazed with approved fixed laminated glass, subject to the following conditions:

1. The glass shall be protected by a sprinkler system served by a domestic line and equipped with listed quick-response sprinklers approved by the Fire Department. The sprinkler system shall completely wet the entire surface of the glass wall when activated.
2. The laminated glass shall be in a gasketed non-combustible frame as installed that the glazing system may deflect without breaking (loading) the glass before the sprinkler system operates.
3. Obstructions such as curtain rods, drapery traverse rods, curtains, drapes or similar materials shall not be installed between the sprinkler and the glass. For the purpose of this section, non-combustible doors with approved fixed laminated glass may be considered as window openings, when subjected to the above conditions. The above doors shall comply with Section 715.4.7 and 715.4.7.1.

Sec. 2.2.485. - Section 803.10 and 803.10.1 created.

Section 803.10 and 803.10.1 of the International Building Code, is created to read as follows:

Site-fabricated Stretch System. A system, fabricated on site and intended for acoustical, tackable or aesthetic purposes, that is comprised of three elements; (a) a frame (constructed of plastic, wood, metal or other material) used to hold fabric in place, (b) a core material (infill, with the correct properties for the application) and (c) an outside layer, comprised of a textile, fabric or vinyl, that is stretched taut and held in place by tension or mechanical fasteners via the frame.

Section 803.10.1 Site fabricated stretched systems. Where used as interior wall or interior ceiling finish materials, site-fabricated stretch systems shall be tested in the manner intended for use, and shall comply with the requirements of Section 803.1.1 or 803.1.2. If the materials are tested in accordance with ASTM E 84 or UL 723, specimen preparation and mounting shall be in accordance with ASTM E 2573.

Sec. 2.2.490. - Section 901.1 amended.

Section 901.1 of the International Building Code, is amended to read as follows:

901.1 Scope. The provisions of this chapter shall specify where fire protection systems are

required and shall apply to the design, installation and operation of fire protection systems. Where buildings, or portions thereof, are divided into fire areas so as not to exceed the limits established for requiring a fire protection system in accordance with this chapter, such fire areas shall be separated by fire barriers having a fire-resistance rating of not less than that determined in accordance with Table 508.3.3 and Section 706.

Exception: Buildings constructed prior to the adoption of the 2000 Edition of the International Building Code may have a non-conforming fire area increased by not more than 25 percent of the fire area limitation, for the occupancy classification, as specified under Section 903.2. All additions to the fire area shall be considered as accumulative and subject to the limitations of the construction type.

Sec. 2.2.500. – Chapter 9, Section 901.6 amended – Inspection, testing and maintenance.

In the jurisdiction of the City of Wichita:

Chapter 9, Section 901.6 of the International Fire Code, 2006 Edition, is amended to read as follows:

Section 901.6 Inspection, testing and maintenance. Fire detection, alarm and extinguishing systems shall be maintained in an operative condition at all times, and shall be replaced or repaired where defective. Non-required fire protection systems and equipment shall be inspected, tested and maintained or removed. Installation and alterations to fire detection, alarm and extinguishing systems shall be done in accordance with applicable standards and shall be performed by a NICET II Wichita Licensed Fire Protection Contractor.

In the jurisdiction of Sedgwick County:

Article 12, Section 901.6.3. of the International Fire Code, 2003 Edition, is added to read as follows:

Authorized Inspectors, test and maintenance personnel. No person or business entity shall inspect, test or maintain any system regulated by this section unless said person or business entity is a licensed fire protection contractor who has passed an appropriate examination. The International Code Council test for general contractors in the state of Kansas (ICC address of 5360 S. Workman Mill Rd. Whittier, CA 90601) or the “Block Test” administered by Experior (address of 2100 NW 53rd Ave. Gainesville, FL 32653), are designated as the standard examinations for determining the qualifications of person seeking licensure.

Those persons who were licensed as required by the Department of Code Enforcement on December 31, 2003, and whose license has not subsequently lapsed or been suspended or revoked, shall not be required to pass any such examination. Those persons not so licensed on that date, shall be at least a NICET Level II Fire Protection Contractor.

Sec. 2.2.510. - Section 903.2.1.1 amended.

Section 903.2.1.1 of the International Building Code, is amended to read as follows:

[F] 903.2.1.1 Group A-1. An automatic sprinkler system shall be provided for Group A-1 occupancies where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet (1115 m²) for Type II-B, III-B, V-A, and V-B construction or the basic allowable area for the construction type per Table 503 for the remaining construction types.
2. The fire area is located on a floor other than the level of exit discharge.
3. The fire area contains a multi-theater complex.

Sec. 2.2.520. - Section 903.2.1.2 amended.

Section 903.2.1.2 of the International Building Code, is amended to read as follows:

[F] 903.2.1.2 Group A-2. An automatic sprinkler system shall be provided for Group A-2 occupancies where one of the following conditions exists:

1. The fire area exceeds 5,000 square feet (465 m²);
2. The fire area has an occupant load of 300 or more; or
3. The fire area is located on a floor other than the level of exit discharge.

Sec. 2.2.530. - Section 903.2.1.3 amended.

Section 903.2.1.3 of the International Building Code, is amended to read as follows:

[F] 903.2.1.3 Group A-3. An automatic sprinkler system shall be provided for Group A-3 occupancies where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet (1115 m²) for Type II-B, Type III-B, Type V-A, and Type V-B construction or the basic allowable area for the construction type per Table 503 for the remaining construction types.
2. The fire area is located on a floor other than the level of exit discharge.

Exception: Areas used exclusively as participant sports areas where the main floor area is located at the same level as the level of exit discharge of the main entrance and exit.

Sec. 2.2.540. - Section 903.2.1.4 amended.

Section 903.2.1.4 of the International Building Code, is amended to read as follows:

[F] 903.2.1.4 Group A-4. An automatic sprinkler system shall be provided for Group A-4 occupancies where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet (1115 m²) for Type II-B, Type III-B, Type V-A, and Type V-B construction or the basic allowable area for the construction type per Table 503 for the remaining construction types.
2. The fire area is located on a floor other than the level of exit discharge.

Exception: Areas used exclusively as participant sports areas where the main floor area is located at the same level as the level of exit discharge of the main entrance and exit.

Sec. 2.2.550. - Section 903.2.3 deleted.

Section 903.2.3 of the International Building Code, is deleted as applicable within the city limits of the City of Wichita. In Sedgwick County only, Section 903.2.3 reads as follows: An automatic sprinkler system shall be provided throughout all building where a Group F-1 occupancy exceeds the basic allowable area for the construction type per Table 503 for the remaining construction types; or where more than three stories in height; or where the combined fire area on all floors, including mezzanines, exceed double the basic allowable areas for the construction type per Table 503.

Sec. 2.2.555. - Section 903.2.3.1 created.

Section 903.2.3.1 of the International Building Code, is amended to read as follows:

903.2.3.1 Woodworking operations. An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain woodworking operations which generate finely divided combustible waste or use finely divided combustible materials.

EXCEPTION: A room or the aggregate area of rooms containing woodworking operations within a fire area where the area is 2,500 square foot (232 m²) or less. Walls that define the rooms that contain the wood working operations shall be of non-combustible construction.

Sec. 2.2.560. - Section 903.2.7 amended.

Section 903.2.7 of the International Building Code, is amended to read as follows:

[F] 903.2.7 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

Exceptions:

1. Apartment buildings of four units or less.
2. Group R-3 occupancies as regulated by this Code.

Sec. 2.2.570. - Section 903.2.8 deleted.

Section 903.2.8 of the International Building Code, is deleted.

In the unincorporated area of Sedgwick County, including the small cities under contract for

inspection services Section 903.2.8 is amended to read as follows:

[F] 903.2.8 Group S-1. An automatic sprinkler system shall be provided throughout all buildings where the fire area containing a Group S-1 occupancy exceeds the basic allowable area for the construction type per Table 503 for the remaining construction types; or where more than three stories in height; or where the combined fire area on all floors, including mezzanines, exceed double the basic allowable areas for the construction type per Table 503.

Sec. 2.2.580. - Section 903.2.9 amended.

Section 903.2.9 of the International Building Code, is amended to read as follows:

[F] 903.2.9 Group S-2. An automatic sprinkler system shall be provided throughout buildings having a fire area that exceeds 12,000 square feet (1115 m²) and classified as enclosed parking garages in accordance with Section 406.4 or where located beneath other groups.

Exception: Enclosed parking garages located beneath Group R-3 occupancies.

Sec. 2.2.590. - Section 903.2.9.1 amended.

Section 903.2.9.1 of the International Building Code, is amended to read as follows:

[F] 903.2.9.1 Commercial parking garages. An automatic sprinkler system shall be provided throughout buildings used for storage of commercial trucks or buses where the fire area exceeds 12,000 square feet (1115 m²).

Sec. 2.2.600. - Section 903.2.10.1.1 amended.

Section 903.2.10.1.1 of the International Building Code, is amended to read as follows:

[F] 903.2.10.1.1 Opening dimensions and access. Openings shall have a minimum dimension of not less than 30 inches (762 mm) in width and 48 inches (1219 mm) in height. Such openings shall be accessible to the fire department from the exterior and shall not be obstructed in a manner that fire fighting or rescue cannot be accomplished from the exterior.

Sec. 2.2.665. - Section 903.3.1.2.1 created.

Section 903.3.1.2.1 of the International Building Code, is amended to read as follows:

[F] 903.3.1.2.1 Balconies and decks. Sprinkler protection shall be provided for exterior balconies, decks and ground floor patios of dwelling units where the building is of Type V construction, provided there is a roof or deck above. Sidewall sprinklers that are used to protect such areas shall be permitted to be located such that their deflectors are within 1 inch (25 mm) to 6 inches (152 mm) below the structural members and a maximum distance of 14 inches (356 mm) below the deck of the exterior balconies and decks that are constructed of open wood construction.

Sec. 2.2.670. - Chapter 9, Section 903.3.6 amended – Hose thread.

Section 903.3.6 of the International Building Code, is applicable within the city limits of the City of Wichita.

Chapter 9, Section 903.3.6 of the International Fire Code, 2006 Edition, is amended to read as follows:

Section 903.3.6. - Hose threads. Fire hose threads and fittings used in connection with automatic sprinkler systems shall comply with NFPA 1963 or as otherwise approved, and shall be compatible with fire department hose threads. Fire hose thread used in connection with fire-extinguishing systems shall be national standard hose thread or as approved by the fire code official.

Sec. 2.2.680.- Chapter 9, Section 903.3.7 amended – Fire department connections.

Section 903.3.7 of the International Building Code, is applicable within the city limits of the City of Wichita.

Chapter 9, Section 903.3.7 of the International Fire Code, 2006 Edition, is amended to read as follows:

Section 903.3.7 - Fire department connections. The location of fire department hose connections shall be approved by the fire code official. The maximum distance shall be 150 feet (45 720 mm) from a fire hydrant. The required hydrant shall be no closer than 40 feet (12 192 mm) to the structure.

Sec. 2.2.690. - Section 907.2 created.

Section 907.2 of the International Building Code, is hereby amended to read as follows:

[F] 907.2 Where required—new buildings and structures. An approved fire alarm system installed in accordance with the provisions of this Code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and provide occupant notification in accordance with section 907.9 unless other requirements are provided by another section of this Code. A minimum of one manual fire alarm box shall be provided in an approved location to initiate a fire alarm signal for fire alarm systems employing automatic fire detectors or waterflow detection devices. Where other sections of this Code allow elimination of fire alarm boxes due to sprinklers, a single fire alarm box shall be installed.

Exceptions:

1. The manual fire alarm box is not required for fire alarm systems dedicated to elevator recall control and supervisory service.
2. The manual fire alarm box is not required for Group R-2 occupancies unless required by the fire code official to provide a means for fire watch personnel to initiate

an alarm during a sprinkler system impairment event. Where provided, the manual fire alarm box shall not be located in an area that is accessible to the public.

Sec. 2.2.700. - Section 907.2.1 amended.

Section 907.2.1 of the International Building Code, is amended to read as follows:

[F] 907.2.1 Group A. A manual fire alarm system shall be installed in rooms containing Group A occupancies having an occupant load of 300 or more. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

Exception: Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system and the alarm notification appliances will active upon sprinkler water flow.

Sec. 2.2.710. - Section 907.2.1.1 amended - System initiation in Group A occupancies with an occupant load of 1,000 or more.

Section 907.2 of the International Building Code, is applicable only within the city limits of the City of Wichita.

Chapter 9, Section 907.2.1.1 of the International Fire Code, 2006 Edition, is amended to read as follows:

[B] Section 907.2.1.1 System initiation in rooms containing Group A occupancies with an occupant load of 1,000 or more. Activation of the fire alarm in rooms containing Group A occupancies with an occupant load of 1,000 or more shall initiate a signal using an emergency voice/alarm communications system in accordance with NFPA 72.

Exception: Where approved, the prerecorded announcement is allowed to be manually deactivated for a period of time, not to exceed 3 minutes, for the sole purpose of allowing a live voice announcement from an approved, constantly attended location.

Sec. 2.2.720. - Section 907.2.3 amended.

Section 907.2.3 of the International Building Code, is amended to read as follows:

[F] 907.2.3 Group E. An automatic fire alarm system with smoke detection in accordance with provisions set forth in KAR 22-1.3 and (Current edition) NFPA 101 Life Safety Code Section 16.3.4 shall be installed in Group E occupancies.

In the unincorporated area of Sedgwick County, including the small cities under contract for inspection services Section 907.2.10.1.2 is amended to read as follows:

[F] 907.2.10.1.2 Groups R-2, R-3, R-4 and I-1. Single- or multiple-station smoke alarms shall be installed and maintained in Groups R-2, R-3, R-4 and I-1, regardless of occupant load at all of the following locations:

1. On the ceiling or wall outside of each separate sleeping area in the immediate vicinity of bedrooms.
2. In each room used for sleeping purposes except in Group R-3 occupancies.
3. In each story within a dwelling unit, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

In the unincorporated area of Sedgwick County, including the small cities under contract for inspection services Section 907.2.10.1.4 is amended to read as follows:

Section 907.2.10.1.4. Additions, alterations or repairs to Group R shall be amended to read as follows:

Where an addition, alteration or repair to an individual dwelling unit or guestrooms in Group R requires a permit, smoke alarms shall be installed within that individual dwelling unit or guestrooms in accordance with this section. Where one or more sleeping rooms are added to or created in an existing Group R, smoke alarms shall be installed in accordance with this section.

Exception: Smoke alarms located in an existing individual dwelling unit, sleeping room or guestroom may remain as previously approved unless the addition, alteration or repair results in the removal of interior wall or ceiling finishes exposing the structure within the sleeping area. In all cases, smoke alarms shall comply with Section 907.2.10.2.

Sec. 2.2.730. - Group I-4 created.

Group I-4. Group I-4 occupancies shall be equipped with an automatic fire alarm system with smoke detection in accordance with provisions set forth in KAR 22-1.3 and (Current edition) NFPA 101 Life Safety Code Section 16.3.4.

Sec. 2.2.740. - Section 910.2.1 amended.

Section 910.2.1 of the International Building Code, is amended to read as follows:

[F] 910.2.1 Group F-1 or S-1. Buildings and portions thereof used as Group F-1 or S-1 occupancy having more than 50,000 square feet (4645 m²) in undivided area.

Exceptions:

1. Group S-1 aircraft repair hangars.
2. Areas completely separated by non-combustible partitions so that no one area exceeds 50,000 square feet (4645 m²). Openings shall be provided with approved automatic or self-closing devices to ensure closure of the opening.

Sec. 2.2.750. - Section 910.3.5 amended.

Section 910.3.5 of the International Building Code, is amended to read as follows:

910.3.5 Draft curtains. Where required by Table 910.3, draft curtains shall be provided in accordance with this section. The requirement for curtain boards in buildings designed to accommodate high-piled stock, as defined by the International Fire Code, shall be in accordance with IFC Table 2306.2.

Exception: Where areas of buildings are equipped with ESFR sprinklers, draft curtains shall not be provided within these areas. Draft curtains shall only be provided at the separation between the ESFR sprinklers and the conventional sprinklers.

Sec. 2.2.760. - Section 1003.5 amended.

Section 1003.5 of the International Building Code, is amended to read as follows:

1003.5 Elevation change. Where changes in elevation of less than 12 inches (305 mm) exist in the means of egress, sloped surfaces shall be used. Where the slope is greater than one unit vertical in 20 units horizontal (5-percent slope), ramps complying with Section 1010 shall be used. Where the difference in elevation is 6 inches (152 mm) or less, the ramp shall meet the requirements of the Americans with Disability Act ("ADA").

Exceptions:

1. A single step with a maximum riser height of 7 inches (178 mm) is permitted for buildings with occupancies in Groups F, H, R-2 and R-3 and Group S and U at exterior doors not required to be accessible by the Americans with Disabilities Act ("ADA") or locations served by a ramp meeting the requirements of the Americans with Disabilities Act ("ADA").
2. A stair with a single riser or with two risers and a tread is permitted at locations not required to be accessible by the Americans with Disabilities Act ("ADA"), provided that the risers and treads comply with Section 1009.3, the minimum depth of the tread is 13 inches (330 mm) and at least one handrail complying with Section 1012 is provided within 30 inches (762 mm) of the centerline of the normal path of egress travel on the stair.
3. A step is permitted in aisles serving seating that has a difference in elevation less than 12 inches (305 mm) at locations not required to be accessible by the Americans with Disabilities Act ("ADA"), provided that the risers and treads comply with Section 1025.11 and aisle is provided with a handrail complying Section 1025.13.

Any change in elevation in a corridor serving nonambulatory persons in Group I-2 occupancy shall be by means of a ramp or sloped walkway.

Sec. 2.2.770. -Chapter 10, Section 1004.1 amended - Design occupant load.

Chapter 10, Section 1004.1 of the International Fire Code, 2006 Edition, is amended to read as follows:

[B] Section 1004.1 Design occupant load. In determining means of egress requirements, the number of occupants for whom means of egress facilities shall be provided shall be determined in accordance with this section. Where occupants from accessory areas egress through a primary space, the calculated occupant load for the primary space shall include the total occupant load of the primary space plus the number of occupants aggregating through it from the accessory area. See Chapter 1, Section 107.6 – Overcrowding for exceeding the designed.

Sec. 2.2.780. - Section 1006.3 amended.

Section 1006.3 of the International Building Code, is amended to read as follows:

1006.3 Illumination emergency power. The power supply for means of egress illumination shall normally be provided by the premises' electrical supply.

In event of power supply failure, an emergency electrical system shall automatically illuminate the following areas:

1. Aisles and enclosed egress stairways in rooms and spaces that require two or more means of egress.
2. Corridors, exit enclosures and exit passageways in buildings required to have two or more exits.
3. Exterior egress components at other than the level of exit discharge until exit discharge is accomplished for buildings required to have two or more exits.
4. Interior exit discharge elements, as permitted in Section 1024.2, in buildings required to have two or more exits.

Sec. 2.2.790. - Section 1006.4 amended.

Section 1006.4 of the International Building Code, is amended to read as follows:

1006.4 Performance of system. Emergency lighting facilities shall be arranged to provide initial illumination that is at least an average of 1 foot-candle (11 lux) and a minimum at any point of 0.1 foot-candle (1 lux) measured along the path of egress at floor level. A licensed Electrical Engineer shall certify such system.

Exception: Emergency lighting facilities shall be placed at intervals not to exceed 50 feet (15240 mm) on center or 25 feet (7620 mm) in any one direction along the path of egress. Obstructions or changes in direction or exit travel shall be considered the conclusion of the emergency light facility.

Sec. 2.2.800. - Section 1007.1 amended.

Section 1007.1 of the International Building Code, is amended to read as follows:

1007.1 Accessible means of egress required. Accessible means of egress shall comply with this section. Accessible spaces shall be provided with not less than one accessible means of

egress. Where more than one means of egress is required by Section 1015.1 or 1019.1 from any accessible space, each accessible portion of the space shall be served by not less than two accessible means of egress. Accessible means of egress for alterations shall comply with the Americans with Disabilities Act.

Sec. 2.2.810. - Section 1007.3 created.

Section 1007.3 of the International Building Code is hereby amended to read as follows:

1007.3. Exit Stairways. In order to be considered part of an accessible means of egress, an exit stairway shall have a clear width of 48 inches minimum between handrails and shall either incorporate an area of refuge within an enlarged floor-level landing or shall be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit.

Exceptions:

1. Unenclosed exit stairways as permitted by Section 1020.1 are permitted to be considered part of an accessible means of egress.
2. The area of refuge is not required at unenclosed exit stairways as permitted by Section 1020.1 in buildings or facilities equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
3. The clear width of 48 inches between handrails is not required at exit stairways in buildings or facilities equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
4. The clear width of 48 inches between handrails is not required for exit stairways accessed from a horizontal exit.
5. Areas of refuge are not required at exit stairways serving open parking garages.
6. Areas of refuge are not required at exit stairways in buildings equipped throughout by an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
7. Areas of refuge are not required for smoke-protected seating areas complying with Section 1025.6.2.
8. The areas of refuge are not required in Group R-2 occupancies.

Sec. 2.2.820. - Section 1007.4 created.

Section 1007.4 of the International Building Code, is hereby amended to read as follows:

1007.4 Elevators. In order to be considered part of an accessible means of egress, an elevator shall comply with the emergency operation and signaling device requirements of Section 2.27 of ASME A17.1. Standby power shall be provided in accordance with Sections 2702 and 3003. The elevator shall be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit.

Exceptions:

1. Elevators are not required to be accessed from an area of refuge or horizontal exit in open parking garages.
2. Elevators are not required to be accessed from an area of refuge or horizontal exit in buildings and facilities equipped throughout by an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
3. Elevators not required to be located in a shaft in accordance with Section 707.2 are not required to be accessed from an area of refuge or horizontal exit.
4. Elevators are not required to be accessed from an area of refuge or horizontal exit for smoke protected seating areas complying with Section 1025.6.2.

Sec. 2.2.830. - Section 1008.1.1 amended.

Section 1008.1.1 of the International Building Code, is amended to read as follows:

1008.1.1 Size of doors. The minimum width of each door opening shall be sufficient for the occupant load thereof and shall provide a clear width of not less than 32 inches (813 mm). Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). Where this section requires a minimum clear width of 32 inches (813 mm) and a door opening includes two door leaves without a mullion, one leaf shall provide a clear opening width of 32 inches (813 mm). The maximum width of a swinging door leaf shall be 48 inches (1219 mm) nominal. Means of egress doors in a Group I-2 occupancy used for the movement of beds shall provide a clear width not less than 41.5 inches (1054 mm). The height of doors shall not be less than 80 inches (2032 mm).

Exceptions:

1. The minimum and maximum width shall not apply to door openings that are not part of the required means of egress in Group R-2 and R-3 occupancies.
2. Door opening to resident sleeping unit in Group I-3 occupancies shall have a clear width of not less 32 inches (711 mm).
3. Door openings to storage closets less than 10 square feet (0.93 m²) in area shall not be limited by the minimum width.
4. Width of door leafs in revolving doors that comply with Section 1008.1.3.1 shall not be limited.
5. Door openings within a dwelling unit or sleeping unit shall not be less than 78 inches (1981 mm) in height.
6. Exterior door openings in dwelling units and sleeping units, other than the required exit door, shall not be less than 76 inches (1930 mm) in height.
7. In other than Group R-1 occupancies, the minimum widths shall not apply to interior

egress doors within a dwelling unit or sleeping unit that is not required to be an Accessible unit, Type A unit or Type B unit.

8. Door openings required to be accessible within Type B units shall have a minimum clear width of 32 inches (813 mm).

Sec. 2.2.840. - Section 1008.1.2 created.

Section 1008.1.2 of the International building Code, is amended to read as follows:

1008.1.2 Door swing. Egress doors shall be side-hinged or pivot hinged swinging.

Exceptions:

1. Private garages, office areas, factory and storage areas with an occupant load of 10 or less.
2. Group I-3 occupancies used as a place of detention.
3. Critical or intensive care patient rooms within suites of health care facilities.
4. Doors within or serving a single dwelling unit in groups R-2 and R-3.
5. In other than group H occupancies, revolving doors complying with Section 1008.1.3.1.
6. In other than Group H occupancies, horizontal sliding doors complying with Section 1008.1.3.3 are permitted in a means of egress.
7. Power-operated doors in accordance with Section 1008.1.3.2.
8. Doors serving a bathroom within an individual sleeping unit in Group R-1.
9. In other than Group H occupancies, manually operated horizontal sliding doors are permitted in a means of egress from spaces with an occupant load of 10 or less.

Sec. 2.2.850. - Section 1008.1.4 amended.

Section 1008.1.4 of the International Building Code, is amended to read as follows:

1008.1.4 Floor Elevation. There shall be floor or landing on each side of a door. Such floor or landing shall be at the same elevation on each side of the door. Landings shall be level except for exterior landings, which are permitted to have a slope not to exceed 1 vertical to 50 horizontal (2-percent slope).

Exceptions:

1. Doors serving individual dwelling units Groups R-2 and R-3 where the following apply:
 - 1.1 A door is permitted to open at the top step of an interior flight of stairs, provided the door does not swing over the top step.

- 1.2 Screen doors and storm doors are permitted to swing over stairs or landings.
- 1.3 A door is permitted to open at the top step of a flight of interior stairs in an attached garage, provided the door does not swing over the top step.
- 1.4 A door is permitted to open at the top step of a flight of exterior stairs from a patio, provided there are no more than four risers.
- 2. Exterior doors as provided for in Section 1003.5, Exception 1, and Section 1018.2, which are not on an accessible route.
- 3. In Group R-3 occupancies not required to be Accessible units, Type A units or Type B units, the landing at an exterior doorway shall not be more than 8 inches (203.2 mm) below the top of the threshold, provided the door, other than an exterior storm or screen door, does not swing over the landing.
- 4. Variations in elevation due to differences in finish materials, but not more than 0.5 inch (12.7 mm).
- 5. Exterior decks, patios or balconies that are part of Type B dwelling units, have impervious surfaces and that are not more than 4 inches (102 mm) below the finished floor level of the adjacent interior space of the dwelling unit.
- 6. Doors, gates and panels that serve as access points to building equipment rooms that are not normally occupied, except where serving the following:
 - a. Electrical rooms with equipment rated 1,200 amperes or more and over 6 feet (1829 mm) wide that contain overcurrent devices, switching devices or control devices (See IBC Section 1008.1.10).
 - b. Rooms or spaces having a floor area larger than 1,000 square feet (93 m²), containing a refrigerant evaporator and maintained at a temperature below 680°F (200°C) (see IBC Section 1015.5).

Sec. 2.2.860. - Section 1008.1.5 amended.

Section 1008.1.5 of the International Building Code, is amended to read as follows:

1008.1.5 Landings at doors. Landings shall have a width not less than the width of the stairway or the door, whichever is greater. Doors in the fully open position shall not reduce a required dimension by more than 7 inches (178 mm). When a landing serves an occupant load of 50 or more, doors in any position shall not reduce the landing to less than one-half its required width. Landings shall have a length measured in the direction of travel of not less than 48 inches (1219 mm) and shall comply with the Americans with Disabilities Act.

Exception: Landings length in the direction of travel in Groups R-3 and U and within individual units of Group R-2 need not exceed 36 inches (914 mm).

Sec. 2.2.870. - Section 1008.1.8.4 amended.

Section 1008.1.8.4 of the International Building Code, is amended to read as follows:

1008.1.8.4 Bolt locks. Manually operated flush bolts or surface bolts are not permitted.

Exceptions:

1. On doors not required for egress in individual dwelling units or sleeping units.
2. Where a pair of doors serves a storage or equipment room, manually operated edge- or surface- mounted bolts are permitted on the inactive leaf.
3. Where a pair of doors serves an occupant load of less than 50 persons in a Group B, F, or S occupancy, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf. The inactive leaf shall contain no doorknobs, panic bars, or similar operating hardware.
4. Where a pair of doors serves a Group B, F, or S occupancy, manually operated edge- or surface-mounted bolts are permitted on the inactive leaf provided such inactive leaf is not needed to meet egress width requirements and the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. The inactive leaf shall contain no doorknobs, panic bars or similar operating hardware.
5. Where a pair of doors serves patient care rooms in Group I-2 occupancies, self-latching edge- or surface-mounted bolts are permitted on the inactive leaf provided that the inactive leaf is not needed to meet egress width requirements and the inactive leaf contains no doorknobs, panic bars, or similar operating hardware.

Sec. 2.2.880. - Section 1008.1.8.8 amended.

Section 1008.1.8.8 of the International Building Code is hereby amended to read as follows:

1008.1.8.8 Special Locking Arrangements in Group I-2. Approved delayed egress locks shall be permitted in a Group I-2 occupancy where the clinical needs of persons receiving care require such locking. Delayed egress locks shall be permitted in such occupancies where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved automatic smoke or heat detection system installed in accordance with Section 907, provided that the doors unlock in accordance with items 1 thru 6 below. A building occupant shall not be required to pass through more than one door equipped with a delayed egress lock before entering an exit.

1. The doors unlock upon activation of the automatic sprinkler system or automatic fire detection system.
2. The doors unlock upon the loss of power controlling the lock or lock mechanism.
3. The door locks shall have the capability of being unlocked by a signal from the

fire command center, a nursing station or other approved location.

4. The procedures for the operation(s) of the unlocking system shall be described and approved as part of the emergency planning and preparedness required by the International Fire Code.

5. All clinical staff shall have the keys, codes, or other means necessary to operate the locking devices.

6. Emergency lighting shall be provided at the door.

Exception: Items 1 through 3 shall not apply to doors to areas where persons, because of clinical needs, require restraint or containment as part of the function of a mental hospital.

Sec. 2.2.890. - Section 1008.1.8.9 amended.

Section 1008.1.8.9 of the International Building Code is hereby amended to read as follows:

1008.1.8.9 Electromagnetically Locked Egress Doors. Doors in the means of egress that are not otherwise required to have panic doors in buildings with an occupancy in Group A, B, E, M, R-1, or R-2 and doors to tenant spaces in Group A, B, E, M, R-1 or R-2 shall be permitted to be electromagnetically locked if equipped with listed hardware that incorporates a built-in switch and meets the requirements listed below:

1. The listed hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions.
2. The listed hardware is capable of being operated with one hand.
3. Operation of the listed hardware releases to the electromagnetic lock and unlocks the door immediately.
4. Loss of power to the listed hardware automatically unlocks the door.

Sec. 2.2.900. - Section 1009.2 amended.

Section 1009.2 of the International Building Code, is amended to read as follows:

1009.2 Headroom. Stairways shall have a minimum headroom clearance of 80 inches (2032 mm) measured vertically from a line connecting the edge of the nosings. Such headroom shall be continuous above the stairway to the point where the line intersects the landing below, one tread depth beyond the bottom riser. The minimum clearance shall be maintained the full width of the stairway and landing.

Exceptions:

1. Spiral stairways complying with Section 1009.8 are permitted a 78-inch (1981 mm) headroom clearance.
2. Stairways within an individual dwelling unit of Group R-2 and R-3 are permitted an

80-inch (2032 mm) headroom clearance.

Sec. 2.2.910. - Section 1009.5.1 amended.

Section 1009.5.1 of the International Building Code, is amended to read as follows:

1009.5.1 Stairway walking surface. The walking surface of treads and landings of a stairway shall not be sloped steeper than one unit vertical in 48 units horizontal (2-percent slope) in any direction. Stairway treads and landings shall have a solid surface. Finish floor surfaces shall be securely attached.

Exceptions:

1. Perforated openings for drainage on exterior stairs shall not be prohibited provided a sphere with diameter of 0.1875 inches (3/16 inch; 5 mm) cannot pass through the opening.
2. In Group F, H and S occupancies, other than areas of parking structures accessible to the public, openings in treads and landings shall not be prohibited provided a sphere with a diameter of 1.125 inches (29 mm) cannot pass through the opening.

Sec. 2.2.920. - Section 1009.10 amended.

Section 1009.10 of the International Building Code, is amended to read as follows:

1009.10 Handrails. Stairways shall have handrails on each side and shall comply with Section 1012. Where glass is used to provide the handrail, the handrail shall also comply with Section 2407.

Exceptions:

1. Aisle stairs complying with Section 1025 provided with a center handrail need not have additional handrails.
2. Stairways within dwelling units, spiral stairways and aisle stairs serving seating only on one side are permitted to have a handrail on one side only.
3. Decks, patios and walkways that have a single change in elevation where the landing depth on each side of the change of elevation is greater than what is required for a landing do not require handrails.
4. In Group R-3 occupancies, a change in elevation consisting of a single riser at an entrance or egress door does not require handrails.
5. Changes in room elevations of only one riser do not require handrails.

Sec. 2.2.930. - Section 1009.12 created.

Section 1009.12 of the International Building Code, is created to read as follows:

1009.12 Access to equipment rooms and areas. Room and areas containing equipment that must be accessed for maintenance are not required to be accessed by a stairway. Access

compliance to equipment rooms and areas is subject to provisions of other adopted standards of the Metropolitan Area Building Code Department and that of OSHA.

Sec. 2.2.940. - Section 1010.6.5 amended.

Section 1010.6.5 of the International Building Code, is amended to read as follows:

1010.6.5 Doorways. Where doorways are located adjacent to a ramp landing, maneuvering clearances required by the Americans with Disabilities Act ("ADA") are permitted to overlap the required landing area.

Sec. 2.2.950. - Section 1011.1 amended.

Section 1011.1 of the International Building Code, is amended to read as follows:

1011.1 Where required. Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. Access to exits shall be marked by readily visible exit signs in cases where the exit or the path of egress travel is not immediately visible to the occupants. Exit sign placement shall be such that no point in a corridor is more than 100 feet (30480 mm) or the listed viewing distance for the sign, whichever is less, from the nearest visible exit sign. Exit signs required at doors shall not be located more than 12 feet (3,658 mm) above the finish floor, nor more than 2 feet (610 mm) from either edge of door.

Exceptions:

1. Exit signs are not required in rooms or areas that require only one exit or exit access.
2. Main exterior exit doors or gates that are obviously and clearly identifiable as exits need not have exit signs where approved by the building official.
3. Exit signs are not required in sleeping areas in occupancies in Group U and individual sleeping units or dwelling units in Group R-1, R-2 or R-3.
4. Exit signs are not required in sleeping areas in occupancies in Group I -3.
5. In occupancies in Groups A-4 and A-5, exit signs are not required on the seating side of vomitories or openings into seating areas where exit signs are provided in the concourse that are readily apparent from the vomitories. Egress lighting is provided to identify each vomitory or opening within the seating area in an emergency.

Sec. 2.2.960. - Section 1012.3 amended.

Section 1012.3 of the International Building Code, is amended to read as follows:

1012.3 Handrail graspability. The diameter or width of the gripping surfaces of a handrail shall be 1.25 inches (32 mm) to 1.5 inches (38 mm) or the shape shall provide an equivalent gripping surface.

Exceptions:

1. Handrails within a dwelling unit and stairways serving multi-family occupancies subject to the provisions of the Fair Housing Act, but excluding common areas subject to the provisions of the Americans with Disabilities Act ("ADA") shall meet one of the below requirements:

1.1. Handrails with a circular cross section shall have an outside diameter of at least 1.25 inches (32 mm) and not greater than 2 inches (51 mm) or shall provide equivalent graspability.

1.2. If the handrail is not circular, it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6.25 inches (160 mm) with a maximum cross-section dimension of 2.25 inches (57 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

2. In buildings served by an accessible ramp or elevator, the handrails shall meet one of the following requirements:

2.1. Handrails with a circular cross section shall have an outside diameter of at least 1.25 inches (32 mm) and not greater than 2 inches (51 mm) or shall provide equivalent graspability.

2.2. If the handrail is not circular, it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6.25 inches (160 mm) with a maximum cross-section dimension of 2.25 inches (57 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

Sec. 2.2.970. - Section 1012.5 amended.

Section 1012.5 of the International Building Code, is amended to read as follows:

1012.5 Handrail extensions. Handrails shall return to a wall, guard or the walking surface or shall be continuous to the handrail of an adjacent stair flight or ramp run. At stairways where handrails are not continuous between flights, the handrails shall extend horizontally at least 12 inches (305 mm) beyond the top riser. At ramps where handrails are not continuous between runs, the handrail shall extend horizontally above the landing 12 inches (305 mm) minimum beyond the top and bottom ramps.

Exceptions:

1. Handrails within a dwelling unit and stairways serving multi-family occupancies that are not subject to the provisions of the Americans with Disabilities Act ("ADA") need extend only from the top riser to the bottom riser.

2. Aisle handrails in Group occupancies in accordance with Section 1025.13.

3. In buildings served by an accessible ramp or elevator, the handrails need to extend only from the top riser to the bottom riser.

Sec. 2.2.980. - Section 1013.1 amended.

Section 1013.1 of the International Building Code, is amended to read as follows:

1013.1 Where required. Guards shall be located along open-sided walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings that are located more than 30 inches (762 mm) above the floor or grade below. Guards shall be adequate in strength and attachment in accordance with Section 1607.7. Where glass is used to provide a guard or as a portion of the guard system, the guard shall also comply with Section 2407. Guards shall also be located along glazed sides of stairways, ramps and landings that are located more than 30 inches (762 mm) above the floor or grade below where the glazing provided does not meet the strength and attachment requirements in Section 1607.7.

Exception: Guards are not required for the following locations:

1. On the loading side of loading docks or piers.
2. On the audience side of stages and raised platforms, including steps leading up to the stage and raised platforms.
3. On raised stage and platforms floor areas, such as runways, ramps and side stages used for entertainment or presentations.
4. At vertical openings in the performance area of stages and platforms.
5. At elevated walking surfaces appurtenant to stages and platforms for access to and utilization of special lighting or equipment.
6. Along vehicle service pits not accessible to the public.
7. In assembly seating where guards in accordance with Section 1025.14 are permitted and provided.
8. At window wells a protective cover designed to a minimum of 20 pounds per square foot (0.96 KN/m^2) uniformly distributed live load may be substituted for guards. The window well covers shall be provided with an emergency egress hatch located above the ladder or stairway, with the minimum egress opening maintained. The force required to open the egress hatched shall not exceed 30 pounds (133.45 N). Window well covers and grates shall be constructed of materials approved for exterior use.

Sec. 2.2.990. - Section 1014.3 created.

Section 1014.3 of the International Building Code, is amended to read as follows:

1014.3 Common path of egress travel. In occupancies other than Group H-1, H-2 and H-3, the common path of egress travel shall not exceed 75 feet (22,806 mm). In Groups H-1, H-2 and H-3 occupancies, the common path of egress travel shall not exceed 25 feet (7620 mm). For common path of egress travel in Group A occupancies and assembly occupancies in Group E occupancies having fixed seating, see Section 1025.8.

Exceptions:

1. The length of a common path of egress travel in Group B, F and S occupancies shall not be more than 100 feet (30,480 mm), provided that the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.
2. Where a tenant space in Group B, S and U occupancies has an occupant load of not more than 30, the length of a common path of egress travel shall not be more than 100 feet (30,480 mm).
3. The length of a common path of egress travel in a Group I-3 occupancy shall not be more than 100 feet (30,480 mm).
4. The length of a common path of egress travel in a Group R-2 occupancy shall not be more than 125 feet (38,100 mm), provided that the building is protected throughout with an approved automatic system in accordance with Section 903.3.1.1 or 903.3.1.2.

Sec. 2.2.1000. - Section 1017.1 amended.

Section 1017.1 of the International Building Code, is amended to read as follows:

1017.1 Construction. Corridors shall be fire-resistance rated in accordance with Table 1017.1. The corridor walls required to be fire-resistance rated shall comply with Section 708 for fire partitions.

Exceptions:

1. A fire-resistance rating is not required for corridors in an occupancy in Group E where each room that is used for instruction has at least one door directly to the exterior and rooms for assembly purposes have at least one-half of the required means of egress doors opening directly to the exterior. Exterior doors specified in this exception are required to be at ground level.
2. A fire-resistance rating is not required for corridors contained within a dwelling or sleeping unit in an occupancy in Group R.
3. A fire-resistance rating is not required for corridors in open parking garages.
4. A fire-resistance rating is not required for corridors in an occupancy in Group B which is a space requiring only a single means of egress complying with Section 1015.1.
5. A fire-resistance rating is not required for corridors not exceeding 20 feet (6096 mm) in length, when they provide direct, obvious and unobstructed means of travel to an exit or until egress is provided from the building, provided that all openings, except the entrance to the corridor, are protected with self-closing doors of non-combustible construction or solid wood core, not less than 1 inch (35 mm) in thickness or fixed glazing. Use of rolling or sliding doors shall not be permitted, unless equipped with a closing device which operates with the actuation of an approved listed smoke detector.

Sec. 2.2.1010. - Section 1017.3 amended.

Section 1017.3 of the International Building Code, is amended to read as follows:

1017.3 Dead ends. Where more than one exit or exit access doorway is required, the exit access shall be arranged such that there are no dead ends in corridors more than 20 feet (6096 mm) in length.

Exceptions:

1. In occupancies in Group I-3 of Occupancy Condition 2, 3 or 4 (see section 308.4), the dead end in a corridor shall not exceed 50 feet (15,240 mm).
2. In occupancies in Groups B, E, F, I-1, M, R-1, R-2, R-4, S, and U, where the building is equipped throughout with an automatic sprinkler system in accordance with 903.3.1.1, the length of the dead-end corridors shall not exceed 50 feet (15,240 mm).
3. A dead-end corridor shall not be limited in length where the length of the dead-end corridor is less than 2.5 times the least width of the dead-end corridor.

Sec. 2.2.1020. - Section 1019.1 amended.

Section 1019.1 of the International Building Code, is amended to read as follows:

1019.1 Minimum number of exits. All rooms and spaces within each story shall be provided with and have access to the minimum number of approved independent exits required by Table 1019.1 based on the occupant load of the story, except as modified in Section 1015.1 or 1019.2. For the purpose of this chapter, occupied roofs shall be provided with exits as required for stories. The required number of exits from any story, basement or individual space shall be maintained until arrival at grade or grade or the public way.

Exception: Floors and basements used exclusively for the service of the building or equipment and not normally occupied, may have access to only one exit, unless classified as an H occupancy or required due to the type or size of equipment utilized. For purpose of this exception, storage rooms, maintenance offices and similar uses shall not be considered as providing service to the building.

TABLE 1019.1 - MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD

OCCUPANT LOAD (persons per story)	MINIMUM NUMBER OF EXITS (per story)
1-500	2
501-1,000	3
More than 1,000	4

Sec. 2.2.1030. - Section 1019.2 amended.

Section 1019.2 of the International Building Code, is amended to read as follows:

1019.2 Single exits. Only one exit shall be required from Group R-3 occupancy buildings or from stories of other buildings as indicated in Table 1019.2. Occupancies shall be permitted to have a single exit in buildings otherwise required to have more than one exit if the areas served by the single exit do not exceed the limitations of Table 1019.2. Mixed occupancies shall be permitted to be served by single exits provided each individual occupancy complies with the applicable requirements of Table 1019.2 for that occupancy. Where applicable, cumulative occupant loads from adjacent occupancies shall be considered in accordance with the provisions of Section 1004.1. Basements with a single exit shall not be located more than one story below grade plane.

TABLE 1019.2 - STORIES WITH ONE EXIT

STORY	OCCUPANCY	MAXIMUM OCCUPANTS (OR DWELLING UNITS) PER FLOOR AND TRAVEL DISTANCE
First Story or Basement	A, B ^d , E ^e , F ^d , M, U, S ^d	49 occupants and 75 feet travel distance
	H-2, H-3	3 occupants and 25 feet travel distance
	H-4, H-5, I, R	10 occupants and 75 feet travel distance
	S ^a	29 occupants and 100 feet travel distance
Second Story	B ^b , F, M, S ^a	29 occupants and 75 feet travel distance
	R-2	4 dwelling units and 50 feet travel distance
Third Story	R-2 ^c	4 dwelling units and 50 feet travel distance

For SI: 1 foot = 304.8 mm.

- a. For the required number of exits for parking structures, see Section 1019.1.1.

- b. For the required number of exits for air traffic control towers, see Section 412.1.
- c. Buildings classified as Group R-2 equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.1.2 and provided with emergency escape and rescue openings in accordance with Section 1026.
- d. Group B, F and S occupancies in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 shall have a maximum travel distance of 100 feet.
- e. Day care maximum occupant load is 10.

Sec. 2.2.1040. - Section 1020.1 amended.

Section 1020.1 of the International Building Code, is amended to read as follows:

1020.1 Enclosures required. Interior exit stairways and interior exit ramps shall be enclosed with fire barriers constructed in accordance with Section 706 or horizontal assemblies constructed in accordance with Section 711, or both. Exit enclosures shall have a fire-resistance rating of not less than 2 hours where connecting four stories or more and not less than 1 hour where connecting less than four stories. The number of stories connected by the exit enclosure shall include any basements but not any mezzanines. An exit enclosure shall not be used for any purpose other than means of egress.

Exceptions:

1. In all occupancies, other than Group H and I occupancies, a stairway is not required to be enclosed when the stairway serves an occupant load of less than 10 or serving a space that qualifies under the exception to Section 2.2.850 and the stairway complies with either Item 1.1 or 1.2. In all cases, the maximum number of connecting open stories shall not exceed two.
 - 1.1. The stairway is open to not more than one story above the story at the level of exit discharge; or
 - 1.2. The stairway is open to not more than one story below the story at the level of exit discharge.
2. Exits in buildings of Group A-5 where all portions of the means of egress are essentially open to the outside need not be enclosed.
3. Stairways serving and contained within a single residential dwelling unit or sleeping unit in Group R-1, R-2 or R-3 occupancies are not required to be enclosed.
4. Stairways that are not required means of egress element are not required to be enclosed where such stairways comply with Section 707.2.
5. Stairways in open parking structures that serve only the parking structure are not required to be enclosed.
6. Stairways in Group I-3 occupancies, as provided for in Section 408.3.6, are not

required to be enclosed.

7. Means of egress stairways as required by Section 410.5.3 are not required to be enclosed.

8. In other than Group H and I occupancies, a maximum of 50 percent of egress stairways serving one adjacent floor are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Any two such interconnected floors shall not be open to other floors. Unclosed exit stairways shall be remotely located as required in Section 1015.2.

9. In other than Group H and I occupancies, interior egress stairways serving only the first and second stories of a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Such interconnected stories shall not be open to other stories. Unenclosed exit stairways shall be remotely located as required in Section 1015.2.

Sec. 2.2.1050. - Section 1025.9.1 amended.

Section 1025.9.1 of the International Building Code, is amended to read as follows:

1025.9.1 Minimum aisle width. The minimum clear width of aisles shall be as follows, unless greater widths are required by the provisions of the Americans with Disabilities Act ("ADA"):

1. Forty-eight inches (1219 mm) for aisle stairs having seating on each side.

Exception: Thirty-six inches (914 mm) where the aisle serves less than 50 seats.

2. Thirty-six inches (914 mm) for aisle stairs having seating on only one side.

3. Twenty-three inches (584 mm) between an aisle stair handrail or guard and seating where the aisle is subdivided by a handrail.

4. Forty-two inches (1067 mm) for level or ramped aisles having seating on both sides.

Exceptions:

1. Thirty-six inches (914 mm) where the aisle serves less than 50 seats.

2. Thirty inches (762 mm) where the aisle does not serve more than 14 seats.

5. Thirty-six inches (914 mm) for level or ramped aisles having seating on only one side.

Exceptions:

1. Thirty inches (762 mm) where the aisle does not serve more than 14 seats.

2. Twenty-three inches (584 mm) between an aisle stair handrail and seating where an aisle does not serve more than five rows on one side.

Sec. 2.2.1060. - Section 1025.13 amended.

Section 1025.13 of the International Building Code, is amended to read as follows:

1025.13 Handrails. Ramped aisles having a slope exceeding one unit vertical 20 units horizontal (5-percent slope) and aisle stairs shall be provided with handrails located either at the side or within the aisle width.

Exceptions:

1. Handrails are not required for ramped aisles having a gradient no greater than one unit vertical to eight units horizontal (12.5-percent slope) and seating on both sides where accessible seating is not required along either side of the aisle by Americans with Disabilities Act ("ADA").
2. Handrails are not required if, at the side of the aisle, there is a guard that complies with the graspability requirements of handrails.

Sec. 2.2.1070. - Section 1101.2 amended.

Section 1101.2 of the International Building Code, is amended to read as follows:

1101.2 Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with the current guidelines of the Americans with Disabilities Act ("ADA"), except as modified by this chapter. The exclusion of private clubs and religious entities from accessibility requirements referenced in ADA does not apply. Accessible routes shall coincide with or be located in the same area as a general circulation path. Where the circulation path is interior, the accessible route shall also be interior. The provisions of this section are not intended to substitute or alleviate greater levels of accessibility that may be required on projects involving governmental funding or which require approval by other governmental agencies. Nor are the provisions of this section intended to reduce or eliminate any of the provisions of the Americans with Disabilities Act as established by federal law.

Exceptions:

1. Floors or portions not customarily occupied, including, but not limited to, elevator pits; observation galleries used primarily for security purposes; elevator penthouses; nonoccupiable spaces accessed only by ladders, catwalks, crawl spaces or freight elevators; and equipment catwalks; and machinery, mechanical and electrical equipment rooms.
2. Subject to the approval of the building official, areas where work cannot reasonably be performed by persons having severe impairment (mobility, sight or hearing) need not provide accessibility to such persons. Approval is contingent upon receipt of a letter from the employer's Personnel Department, along with a job description and qualifications statement from the employer, adequate to show that the employer has specified that the work cannot be reasonably performed by a person having a severe impairment (mobility, sight or hearing).

3. Temporary structures, sites and equipment directly associated with the construction process such as construction site trailers, scaffolding, bridging or material hoists are not required to be accessible. This exception does not include walkways or pedestrian protection required by Chapter 33.

4. Subject to the approval of the building official, private clubs and religious entities may appeal accessibility provisions under International Building Code Section 104.10 and 104.11.

5. Facilities for children may be designed in accordance with the Accessibility Guidelines for Children's Facilities; Proposed Rule dated July 22, 1996 in lieu of ADA guidelines. Specific elements, such as restroom stalls, will require full compliance with whichever guideline is selected by the designer.

Side reach range. If the clear space allows for a parallel approach by a person in a wheelchair, the maximum high side reach allowed shall be 48 inches (1220 mm) and the low side reach shall be no less than 15 inches (380 mm) above the floor.

Water closet flush controls. Flush controls for water closets shall be automatic or mounted on the wide side of toilet areas no more 44 inches (1120 mm) above the floor.

Sec. 2.2.1080. - Accessible unisex toilet room in Group A.

In Group A occupancies, an accessible unisex toilet room shall be provided where an aggregate of six or more male and female water closets are required. This accessible unisex toilet room is in addition to all other accessible restrooms required by the Americans with Disabilities Act ("ADA"). In buildings of mixed occupancy, only those water closets required for the Group occupancy shall be used to determine the accessible unisex toilet room requirement.

(a) *Location.* The accessible unisex toilet room shall be located on an accessible route and not located more than one story above or below separate sex toilet facilities. The accessible route from any separate sex toilet facilities to an accessible unisex toilet room shall not exceed 500 feet. Additionally, in passenger transportation facilities and airports, the accessible route from separate sex toilet facilities to an accessible unisex toilet room shall not pass through security checkpoints.

(b) *Clear floor space.* When doors swing into a accessible unisex toilet room, a clear floor space not less than 30 inches by 48 inches shall be provided, within the room, beyond the area of the door swing. The wheelchair turning space as required by Section 4.2.3 of the Americans with Disabilities Act ("ADA") shall be maintained without reduction.

(c) *Required fixtures.* The accessible unisex toilet room shall include only one water closet and one lavatory.

Sec. 2.2.1090. - Group R occupancies: Hotels, motels, lodging houses, congregate residences and other transient lodging facilities.

Hotels, motels, lodging houses, congregate residences and other transient lodging facilities shall be designed in accordance with the requirements of the Americans with Disabilities Act ("ADA" or "the Act").

Exception: Lodging houses, congregate residences and other transient lodging containing less than six guest rooms; or multi-bed rooms or spaces for less than six occupants.

(a) *Multi-unit dwellings.* In Group R, Division 2 apartment buildings and Group R, Division 3 Occupancies where there are four or more dwelling units in a single structure, all dwelling units shall comply with the current Accessibility Guidelines of the Fair Housing Act and shall be here-in-after referenced as "adaptable" dwelling units.

Exceptions:

1. Where no elevator service is provided in a building, only ground floor dwellings need comply.
2. Where no elevator service is provided in a building and the ground floor does not contain dwelling units, only those dwelling units located on the first floor containing either Group R, Division 2 apartment occupancies or Group R, Division 3 Occupancies need comply.
3. A multi-story dwelling unit not provided with elevator service is not required to comply. Where a multi-story dwelling unit is provided with elevator service to only one floor, the floor provided with elevator service shall comply with the requirements, and a toilet facility shall be provided on that floor.
4. The number of adaptable dwelling units provided in multiple non-elevator buildings on a single site may be reduced to a percentage of the ground floor units that is equal to the percentage of the entire site having grades, prior to development, that are 10 percent or less; but in no case shall the number of adaptable units be less than 20 percent of the ground floor dwelling units on the entire site.
5. The required number of adaptable dwelling units shall not apply to a site where the lowest floor or the lowest structural building members are required to be at or above the base flood elevation resulting in:
 - 5.1. A difference in elevation between the minimum required floor elevation at the primary entrances and all vehicular and pedestrian arrival points within 50 feet (15,240 mm) exceeding 30 inches (762 mm); or
 - 5.2. A slope exceeding 10 percent between the minimum required floor elevations at the primary entrances and all vehicular and pedestrian arrival points within 50 feet (15,240 mm).

Where no such arrival points are within 50 feet (15,240 mm) of the primary entrances, the closet arrival point shall be used.

(b) *Public and Common Use Areas and Facilities.* When accessible or adaptable dwellings units, guest and sleeping rooms are required, public and common use areas and facilities available for use by people other than residents and their guests, such as recreational facilities, laundry facilities, garage and recycling collection areas, mailbox locations, lobbies, foyers and management offices, shall be accessible. These public and common use areas shall be designed per the requirements of Americans with Disabilities ("ADA").

Exception: When recreational facilities are provided accessory to accessible or adaptable dwelling units, only 25 percent of the recreational facilities need be accessible, provided not less than one of each type in each group of such facilities shall be accessible. All recreational facilities of each type on a site shall be considered in determining the total number of each type, which are required to be accessible.

(c) *Group U Occupancies.* Group U, Division 1 Occupancies shall be accessible as follows:

Design and Construction.

1. Private garages and carports that contain required accessible parking shall be designed with a minimum width of 14 feet 2 inches and a vehicular door, if provided, shall be at least 10 feet wide.
2. In Group U, Division 1 agricultural buildings, access need be provided only to paved work areas and areas open to the general public and should be designed and constructed per the requirements of Americans with Disabilities Act ("ADA").

Sec. 2.2.1100. - Self-service storage facilities.

Self-service storage facilities shall provide accessible self-storage spaces in accordance with the Table A below:

TABLE A - ACCESSIBLE SELF-SERVICE STORAGE FACILITIES

TOTAL SPACES IN FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE SPACES
1 to 200	5%, but not less than 1
Over 200	10, plus 2% of total number of units over 200

a. Accessible individual self-service storage spaces. Accessible individual self-storage spaces shall be dispersed throughout the various classes of spaces provided. Where more classes of spaces are provided than the number of required accessible spaces, the number of accessible spaces shall not be required to exceed that required by Table A. Accessible spaces are permitted to be dispersed in a single building or a multi-building facility.

b. Accessible units. Accessible units shall be provided with doors that meet the provisions of Section 404 of the Americans with Disabilities Act ("ADA").

Sec. 2.2.1110. - Signage.

(a) *Signage: International symbol of accessibility.* The following elements and spaces of accessible facilities shall be identified by the international symbol of accessibility:

1. Accessible parking spaces.
2. Accessible areas of refuge.

3. Accessible passenger loading zones.

4. Accessible toilet and bathing facilities. In addition, signage shall indicate the location of the nearest unisex toilet room where provided in accordance with Section 2.2.870 of this Code. In no case shall the provisions of Section 4.1.3, item 16 "Building Signage" of the Americans with Disabilities Act ("ADA") be reduced or eliminated.

(b) *Other signs.* Inaccessible building entrances, inaccessible public toilets and bathing facilities, and elevators not on an accessible route shall be provided with directional signage indicating the route to the nearest similar accessible element. In assembly areas, a sign notifying the general public of the availability of assistive listening systems shall be provided at ticket offices or similar locations. Each door to an exit stairway shall have a tactile sign, including raised letters and Braille, stating EXIT. At exits and elevators serving a required accessible space, but not providing an approved accessible means of egress, signs shall be installed indicating the location of accessible means of egress."

Sec. 2.2.1120. - Parking: Location.

Accessible parking spaces shall be located on the shortest possible accessible route of travel from adjacent parking to an accessible building entrance. In parking facilities that do not serve a particular building, accessible parking spaces shall be located on the shortest accessible route to an accessible pedestrian entrance to the parking facility. Where buildings have multiple accessible entrances with adjacent parking, accessible parking spaces shall be dispersed and located near the accessible entrances. In no case shall the provisions of Section 4.1.2, item 5 of the Americans with Disabilities Act ("ADA") be reduced or eliminated.

Sec. 2.2.1130. - Counters and bars.

Counters and bars. Where food or alcoholic beverages are served or consumed at a counter or bar exceeding 34 inches (865 mm) in height for consumption by customers seated on stools or standing at the counter or bar, a portion of the main counter or bar which is 60 inches (1525 mm) in length minimum shall be provided in compliance with the requirements for fixed or built-in seating and tables in accordance with the Americans with Disabilities Act ("ADA" or "the Act").

Exception: A counter or bar with a design occupant load of 10 or less and where service is available at accessible tables within the same room or area.

Sec. 2.2.1140. - Parking space design.

Parking Space Design. Effective on or after January 1, 2006 for building permits reviewed and issued for new construction projects/development that require or provide new parking; new, expanded or re-constructed parking lots; or parking lots that are being restriped as part of a building permit, all accessible parking spaces shall be designed and installed in accordance with the "Universal Parking Design" standards of Appendix Section A4.6.3 of the Americans with Disabilities Act Accessibility Guidelines, as amended.

Sec. 2.2.1150. - Section 1208. amended.

Section 1208.2 of the International Building Code, is amended to read as follows:

1208.2 Minimum ceiling heights. Occupiable spaces, habitable spaces and corridors shall have ceiling height of not less than 7 feet 6 inches (2286 mm). Bathrooms, toilet rooms, kitchens, storage rooms and laundry rooms shall be permitted to have a ceiling height of not less than 7 feet (2134 mm).

Exceptions:

1. Beams or girders spaced not less than 4 feet (1219 mm) on center and projecting not more than 6 inches (152 mm) below the required ceiling height.
2. Basement rooms ceilings and other obstructions shall have clear height of not less than 6 feet 8 inches (2033 mm).
3. If any room in a building has a sloped ceiling, the prescribed ceiling height for the room is required in one-half the area thereof. Any portion of the room measuring less than 5 feet (1524 mm) from the finish floor to the ceiling shall not be included in any computation of the minimum area thereof.
4. Mezzanines constructed in accordance with Section 505.1.

Sec. 2.2.1160. - Section 1210.1 amended.

Section 1210.1 of the International Building Code, is amended to read as follows:

1210.1 Floors. Toilet and bathing room floors shall have a smooth, hard, nonabsorbent surface that extends upward onto the walls at least 4 inches (102 mm).

Exceptions:

1. Dwelling units.
2. Toilet rooms which are not accessible to the public and which have not more than one water closet.
3. Toilets rooms within an office space and are not accessible to the public.

Sec. 2.2.1170. - Section 1210.2 amended.

Section 1210.2 of the International Building Code, is amended to read as follows:

1210.2 Walls. Walls within 2 feet (610 mm) of urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of 4 feet (1219 mm) above the floor, and except for structural elements, the materials used in such wall shall be of a type that is not adversely affected by moisture.

Exceptions:

1. Dwelling units and sleeping units.
2. Toilet rooms which are not accessible to the public and which have not more than one water closet.
3. Toilet rooms within an office space and not accessible to the public.

Sec. 2.2.1180. - Section 1503.4 amended.

Section 1503.4 of the International Building Code, is amended to read as follows:

1503.4 Roof drainage, condensate drainage and waste water. Design and installation of roof drainage systems shall comply with Article 3 of this Code and the provisions of this Section. Roofs shall be sloped a minimum of 1 unit vertical in 48 units horizontal (2-percent slope) for drainage unless designed by a licensed engineer for water accumulation. Unless roofs are sloped to drain over roof edges, primary piped roof drains or wall scuppers shall be installed at each low point of the roof. Roof drains (including primary and secondary piped drains and primary and secondary wall scuppers) shall be sized and discharged in accordance with Article 3 of this Code. The storm drainage 60-minute duration rate, based on a 100-year return (maximum rate of rainfall), for Wichita has been determined by the building official to 3.9 inches (99 mm). Roof drainage water from a building shall not be allowed to flow over public or private property, unless permitted by an approved drainage agreement or easement. Discharge from mechanical equipment condensate drains and any other waste water and roof down spouts shall not discharge onto a pedestrian walking surface. A Storm Water Quality Compliance Statement is required to be filed with the MABCD for discharges, other than storm water, that flow to storm water drainage systems.

Sec. 2.2.1190. - Section 1503.4.1 created.

Section 1503.4.1 of the International Building Code, is created to read as follows:

1503.4.1 Secondary drainage required. Secondary (emergency overflow) piped roof drains or secondary scuppers shall be provided where the roof perimeter construction extends above the roof in such a manner that water will be entrapped if the primary drains allow buildup for any reason. Secondary piped drains and scuppers shall be sized and located to prevent the depth of ponding water from exceeding that for which the roof was designed. The secondary drainage system shall be separate from the primary system and shall discharge independently at grade or other approved point of discharge. Secondary piped roof drains shall be installed with the inlet flow line 2 inches (51 mm) above the roof low point.

Sec. 2.2.1200. - Section 1503.4.2 created.

Section 1503.4.2 of the International Building Code, is created to read as follows:

1503.4.2 Secondary scuppers. Secondary scuppers shall be installed with the flow line 2 inches (51 mm) maximum above the low point of the roof and shall not have an opening dimension of less than 4 inches (102 mm). Secondary scuppers shall be located minimum 4

feet (1219 mm) horizontally from primary scuppers and primary piped roof drains. Conductor heads installed at secondary wall scuppers shall include an unobstructed opening in the face of the conductor head at least equal in area to the secondary wall scupper opening and shall not have an opening dimension of less than 4 inches (102 mm), or the top of the conductor head shall be installed 2 inches (51 mm) above the low point of the roof. The flow through the primary system shall not be considered when locating and sizing scuppers.

Sec. 2.2.1210. - Section 1603.1.8 amended.

Section 1603.1.8 of the International Building Code, is amended to read as follows:

1603.1.8 General special inspections requirements. Items requiring special inspection and observations in accordance with Chapter 17 of the Code of the City of Wichita shall be shown or noted on the structural plan sheets of the construction documents.

Sec. 2.2.1220. - Section 1607.11.2.1 amended.

Section 1607.11.2.1 of the International Building Code, is amended to read as follows:

1607.11.2.1 Flat, pitched and curved roofs. Ordinary flat, pitched and curved roofs shall be designed for the minimum live loads of 20 pounds per square foot or other controlling combinations of loads in Section 1605, which ever produces the greater load. In structures, where special scaffolding is used as a work surface for workers and materials during maintenance and repair operations, a lower roof load than specified above shall not be used unless approved by the building official. Greenhouses shall be designed for a minimum roof live load of 12 psf (0.58 kN/m²).

Sec. 2.2.1230. - Section 1608.2 amended.

Section 1608.2 of the International Building Code, is amended to read as follows:

1608.2 Ground snow loads. The ground snow load for Wichita has been determined by the building official to be 15 psf (0.72 kN/m²).

Sec. 2.2.1240. - Section 1609.3 amended.

Section 1609.3 of the International Building Code, is amended to read as follows:

1609.3 Basic wind speed. The basic wind speed (3-second gust wind speed) for Wichita has been determined by the building official to be 90 mph (40 m/s).

Sec. 2.2.1250. - Section 1609.3.1 amended.

Section 1609.3.1 of the International Building Code, is amended to read as follows:

1609.3.1 Wind speed conversion. The fastest mile wind velocities for Wichita have been determined by the building official to be 76 mph (34 m/s).

Sec. 2.2.1260. - Storm shelters: Scope.

Storm shelters: Scope. When a room or area is represented by a manufacturer or builder as a storm shelter, or is a designated location of refuge by an owner/user of a structure, the shelter shall meet the following requirements:

1. For a shelter with less than 12 occupants, the shelter may be constructed using the provisions of the current addition of FEMA 320 "Taking Shelter From The Storm".
2. For a shelter with 12 or more occupants, the shelter shall be designed by a licensed design professional in accordance with FEMA 361 "Design And Construction Guidance Of Community Shelters," editions 1 or 2. A licensed engineer shall seal a certificate to be posted on the inside of each shelter stating it was designed in accordance with FEMA 361.
3. Storm shelters shall comply with the provisions of the Americans with Disabilities Act ("ADA").

Sec. 2.2.1270. - Wind zone.

The Windstorm Zone for Wichita has been determined by the building official to the Zone IV (250 mph wind speed).

Sec. 2.2.1280. - Section 1612.1 amended.

Section 1612.1 of the International Building Code, is amended to read as follows:

1612.1 General. Within any areas as established in Chapter 27.04 of the Code of the City of Wichita (Known as the "Wichita Flood Damage Prevention Code"), all new construction of buildings, structures and portions of buildings and structures, including substantial improvements and restoration of substantial damage to buildings and structures, shall comply with the Wichita Flood Damage Prevention Code.

In the unincorporated area of Sedgwick County, including the small cities under contract for inspection services Section 1612.1 is amended to read as follows:

The provisions of this chapter shall apply to all areas of special flood hazard within the unincorporated areas of Sedgwick County, Kansas.

Sec. 2.2.1290. – Section 1612.2 deleted.

Section 1612.2 of the International Building Code, is deleted.

Sec. 2.2.1300. – Section 1612.3 deleted.

Section 1612.3 of the International Building Code, is deleted.

Sec. 2.2.1310. – Section 1612.4 deleted.

Section 1612.4 of the International Building Code, is deleted.

Sec. 2.2.1320. – Section 1612.5 deleted.

Section 1612.5 of the International Building Code, is deleted.

Sec. 2.2.1330. - Section 1613.5.3 amended.

1613.5.3 Site coefficients and adjusted maximum considered earthquake spectral response acceleration parameters. The maximum considered earthquake spectral response acceleration for short periods, S_{ms} , and at 1-second period, S_{m1} , for Wichita has been determined by the building official to be 0.14 and 0.056 respectively.

Sec. 2.2.1340. - Section 1701.1 amended.

Section 1701.1 of the International Building Code, is amended to read as follows:

1701.1 Scope. The provisions of this chapter shall govern the quality, workmanship and requirements for materials covered. Materials of construction and tests shall conform to the applicable standards listed in this Code. No provision in this chapter shall relieve the material suppliers, material fabricators, erectors, or contractors of any responsibility to manufacture, fabricate, or construct the structure in accordance with code provisions and the construction documents.

Sec. 2.2.1350. - Section 1702.1 amended.

Section 1702.1 of the International Building Code, is amended to read as follows:

1702.1 General. The following words and terms shall, for the purposes of this chapter and as used elsewhere in this Code, have the meanings shown herein.

APPROVED AGENCY. An established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved.

APPROVED FABRICATOR. An established and qualified person, firm or corporation approved by the building official pursuant to Chapter 17 of the Code of the City of Wichita.

CERTIFICATE OF COMPLIANCE. A certificate stating that materials and products meet specified standards or that work was done in compliance with approved construction documents.

DESIGNATED SEISMIC SYSTEM. Those architectural, electrical and mechanical systems and their components that require design in accordance with Chapter 13 of ASCE 7 and for which component importance factor, I_p , is greater than 1 in accordance with Section 13.1.3 of ASCE 7.

FABRICATED ITEM. Structural, load-bearing or lateral load-resisting assemblies consisting of materials assembled prior to installation in building or structure or subjected to operations such as heat treatment, thermal cutting, cold working or reforming after manufacture and prior to installation in a building or structure. Materials produced in accordance with standard specifications referenced by this Code, such as rolled structural steel shapes, steel-reinforcing bars, masonry units and wood structural panels shall not be considered "fabricated items."

INSPECTION CERTIFICATE. An identification applied on a product by an approved agency containing the name of the manufacturer, the function and performance characteristics, and the name and identification of an approved agency that indicates that the product or material has been inspected and evaluated by an approved agency (see Section 1703.5 and "Label," "Manufacturer's designation" and "Mark").

LABEL. An identification applied on a product by the manufacturer that contains the name of the manufacturer, the function and performance characteristics of the product or material, and the name and identification of an approved agency and that indicates that the representative sample of the product or material has been tested and evaluated by an approved agency (see Section 1703.5 and "Inspection certificate," "Manufacturer's designation" and "Mark").

MAIN WIND-FORCE-RESISTING SYSTEM. An assemblage of structural elements assigned to provide support and stability for the overall structure. The system generally receives wind loading from more than one surface.

MANUFACTURER'S DESIGNATION. An identification applied on a product by the manufacturer indicating that a product by the manufacturer indicating that a product or material complies with a specified standard or set of rules (see also "Inspection certificate," "Label" and "Mark").

MARK. An identification applied on a product by the manufacturer indicating the name of the manufacturer and the function of a product or material (See also "Inspection certificate," "Label" and "Manufacturer's designation").

SPECIAL INSPECTION. Inspection as herein required of the materials, installation, fabrication, erection or placement of components and connections requiring special expertise to ensure compliance with approved construction documents and referenced standards (see Section 1704).

SPECIAL INSPECTION, CONTINUOUS. The full-time observation of work requiring special inspection by an approved special inspector who is present in the area where the work is being performed.

SPECIAL INSPECTION, PERIODIC. The part-time or intermittent observation of work requiring special inspection by an approved special inspector who is present in the area where the work has been or is being performed and at the completion of the work.

SPECIAL INSPECTOR. The owner, building official, and the licensed design engineer shall approve the special inspector. The inspector shall also show competent knowledge to the building official, licensed design engineer, licensed design architect, and owner for those

items to receive special inspection. The special inspector shall prevent a conflict of interest by not performing testing of construction materials for which the special inspector is engaged to observe compliance.

SPRAYED FIRE-RESISTANT MATERIALS. Cementations or fibrous materials that are spray applied to provide fire-resistant protection of the substrates.

STRUCTURAL OBSERVATION. The visual observation of the structural system by a registered design professional for general conformance to the approved construction documents at significant construction stages and at completion of the structural system. Structural observation does not include or waive the responsibility for the inspection required by Section 109, 1704 or other sections of this code.

Sec. 2.2.1360. - Section 1704.1 amended.

Section 1704.1 of the International Building Code, is amended to read as follows:

1704.1 General. Where application is made for construction as described in this section, the owner or the registered design professional in responsible charge acting as the owner's agent shall employ one or more special inspectors to provide inspections during construction on the types of work listed under Section 1704. The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection. These inspections are in addition to the inspections specified in Section 109.

The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection. The registered design professional in responsible charge and engineers of record involved in the design of the project are permitted to act as the approved agency and their personnel are permitted to act as the special inspector for the work designed by them, provided those personnel meet the qualification requirements of this section to the satisfaction of the building official. The special inspector shall provide written documentation to the building official demonstrating his or her competence and relevant experience or training. Experience or training shall be considered relevant when the documented experience or training is related in complexity to the same type of special inspection activities for projects of similar complexity and material qualities. These qualifications are in addition to the qualifications specified in other sections of this Code.

Exceptions:

1. Special inspections are not required for work of a minor nature or as warranted by conditions in the jurisdiction as approved by the building official, or as described in items 1.1 thru 1.4 listed below.

- 1.1 Buildings and other structures, or additions to existing buildings or structures, where there is a design occupant load of less 500 persons in any one area or room of the new construction or where the total design occupant load of the new construction is less 1,000 persons, as calculated under Section 1004.1.

- 1.2 New hospitals and other health care facilities, or additions thereto, having surgery

or emergency treatment facilities or capacity for less than 100 residential patients for the new construction area.

1.3 Buildings or structures, or additions to existing buildings or structures, where the floor area of the new construction is less than 50,000 square feet, or where the height of the exterior building walls are less than 22 feet as measured from the grade plane.

1.4 Conventional construction for the Wichita, Kansas, area, such as foundations not supported on reinforced concrete piers into weathered shale, etc., or required to obtain some desired or specified ksf allowable bearing.

2. Special inspections are not required for building components unless the design involves the practice of professional engineering or architecture as defined by applicable state statutes and regulations governing the professional registration and certification of engineers or architects or the building components are fabricated at an AISC Certified Fabricator.

3. Unless otherwise required by the building official, special inspections are not required for occupancies in Group R-3 as applicable in Section 101.2 and occupancies in Group U that are accessory to a residential occupancy including, but not limited to, those listed in Section 312.1.

Sec. 2.2.1370. - Section 1704.1.1 amended.

Section 1704.1.1 of the International Building Code, is amended to read as follows:

1704.1.1 Statement of special inspection. The permit applicant shall submit a statement of special inspections prepared by the registered design professional in responsible charge in accordance with Section 106.1 as a condition for permit issuance. This statement shall include a complete list of materials and work requiring special inspections by this section, the inspections to be performed and list of the individuals, approved agencies or firms intended to be retained for conducting such inspections. A building permit shall not be issued without a special inspection certificate filed. At the time of filing, all special inspections and inspections shall be identified on the special inspection certificate. A Certificate of Occupancy shall not be issued without a special inspection certificate completed by the licensed design professional and approved by the building official.

Exceptions:

1. A statement of special inspections is not required for structures designed and constructed in accordance with the conventional construction provisions of Section 2308.

2. The statement of special inspections is permitted to be prepared by a qualified person approved by the building official for construction not designed by a registered design professional.

Sec. 2.2.1380. - Duties and responsibilities of the special inspector.

The special inspector shall observe the work assigned for conformance to approved design drawings, specifications and code provisions. The special inspector shall observe the material

testing by representatives of commercial laboratories and determine if the testing is being performed in accordance with applicable testing standards, procedures and frequencies. Additionally, the special inspector shall observe the installation/erection of construction material and collect all material certifications and assemble observations into a report. All deficiencies shall be reported to the contractor for correction. Defective material or assemblies, if uncorrected, shall be brought to the attention of the licensed design professional and to the building official. The special inspector shall submit a final signed report stating whether work requiring special inspection was, to the best of the inspector's knowledge, in conformance to the approved plans and specifications and the applicable workmanship provisions of this Code.

Sec. 2.2.1390. - Section 1704.3 amended.

Section 1704.3 of the International Building Code, is amended to read as follows:

1704.3 Steel construction. The special inspections for steel elements of buildings and structures shall be as required by Section 1704.3 and Table 1704.3.

Exceptions:

1. Special inspection of the steel fabrication process shall not be required where the fabricator does not perform any welding, thermal cutting or heating operation of any kind as part of the fabrication process. In such cases, the fabricator shall be required to submit a detailed procedure for material control that demonstrates the fabricator's ability to maintain suitable records and procedures such that, at any time during the fabrication process, the material specification, grade and mill test reports for the main stress-carrying elements are capable of being determined.
2. The special inspector need not be continuously present during welding of the following items, provided the materials, welding procedures and qualifications of welders are verified prior to the start of the work; periodic inspections are made of the work in progress; and a visual inspections of all welds is made prior to completion or prior to shipment of shop welding.
 - 2.1. Single-pass fillet welds not exceeding 5/16 inch (7.9 mm) in size.
 - 2.2. Floor and roof deck welding.
 - 2.3. Welded studs when used for structural diaphragm.
 - 2.4. Welded sheet steel for cold-formed steel framing members such as studs and joists.
 - 2.5. Welding of stairs and railing systems.
3. Special inspections are not required for Tension Indicating Bolts/Washers.

Sec. 2.2.1400. - Section 1805.2.1 amended.

Section 1805.2.1 of the International Building Code, is amended to read as follows:

1805.2.1 Frost protection. Except where otherwise protected from frost, foundations walls, piers and other permanent supports of buildings and structures shall be protected by one or more of the following methods:

1. Extending below the frost line of the locality. The frost line for the jurisdiction of the MABCD shall be 24 inches (610 mm) below the finish grade;
2. Construction in accordance with ASCE 32;
3. Erecting on solid rock.

Exceptions:

1. Free-standing buildings meeting all of the following conditions shall not be required to the protected:

1.1. Classified in Occupancy Category I, in accordance with Section 1604.5;

1.2. Area of 600 square feet (56 m²) or less for light-frame construction or 400 square feet (37 m²) or less for other than light-frame construction; and

1.3. Eave height of 10 feet (3048 mm) or less.

2. For other than Group R-2 and R-3 occupancies, a one-story prefabricated building not over 150 square feet (13.94 m²) in floor area and supported in an approved manner may be attached to a building having a permanent foundation extending below the frost line. The roof and exterior walls of the prefabricated building shall be flashed in an approved manner to form a weather-tight seal between structures.

Footings shall not bear on frozen soil unless such frozen condition is of a permanent character.

Sec. 2.2.1410. – Section 3001.3 amended.

Section 3001.3 of the International Building Code, is amended to read as follows:

3001.3 Accessibility. Passenger elevators required to be accessible by the Americans with Disabilities Act ("ADA" or "the Act") shall be accessible.

Sec. 2.2.1420 - Section 3002.3 amended.

Section 3002.3 of the International Building Code, is amended to read as follows:

3002.3 Emergency signs. An approved pictorial sign of a standardized design shall be posted adjacent to each elevator call station on all floors instructing occupants to use the exit stairways and not to use the elevators in case of fire. The sign shall read: IN FIRE EMERGENCY, DO NOT USE ELEVATOR. USE EXIT STAIRS. The emergency sign shall not be required for elevators that are part of an accessible means of egress complying with Section 1003.2.13.3. Any signs required by the Americans with Disabilities Act Accessibility Guidelines (ADAAG) shall comply with ADAAG 4.30.4 relating to raised

and Braille characters and pictorial symbol signs.

Sec. 2.2.1430. - Section 3002.6 amended.

Section 3002.6 of the International Building Code, is amended to read as follows:

3002.6 Prohibited doors. Doors, other than hoistway doors and the elevator car door, shall be prohibited at the point of access to an elevator car. Exception: Doors may be located at the point of access to an elevator car in lieu of an elevator lobby based on the below conditions:

1. Doors shall be readily openable from the car side without a key, tool, or special knowledge or effort.
2. Doors into the corridor shall be protected with not less than an automatic-closing, 20-minute door assembly in accordance with Section 715.1, except that:
 - 2.1. The automatic-closing device shall be limited to an approved magnetic hold-open device released by actuation of a smoke detector or when the elevator's Firefighters Service is activated.
 - 2.2. The automatic-closing device is provided with a closing or reclosing electrical time delay of not less than 20 seconds nor more than 30 seconds.

Sec. 2.2.1440. - Section J103.2 amended.

Section J103.2 of the International Building Code, is amended to read as follows:

J103.2 Exemptions. A grading permit shall not be required for the following:

1. A fill less than 1 foot (305 mm) in depth and placed on natural terrain with a slope flatter than 1 unit vertical in 5 units horizontal (20% slope), or less than 3 feet (914 mm) in depth that does not exceed 50 cubic yards (38.3 m³) on any one lot and does not obstruct a drainage course.
2. Excavation for construction of a structure permitted under this Code.
3. Cemetery graves.
4. Refuse disposal site controlled by other regulations.
5. Excavations for wells, or trenches for utilities.
6. Mining, quarrying, excavating, processing or stockpiling rock, sand, gravel, aggregate or clay controlled by other regulations, provided such operations do not affect the lateral support of, or significantly increase stresses in, soil on adjoining properties.
7. Exploratory excavations performed under direction of a registered design professional.

Exemption from the permit requirements of this appendix shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this

Code or any other laws or ordinances of this jurisdiction.

Article 2, Section 3 - INTERNATIONAL EXISTING BUILDING CODE

Sec. 2.3.010. - Adoption of the International Existing Building Code.

The International Existing Building Code, as published by the International Codes Council, Inc., 2006 Edition, including the appendices, is hereby adopted and incorporated herein by reference, subject to such amendments thereto as are set forth in this chapter.

Sec. 2.3.020. - Section 105.3 amended.

Section 105.3 of the International Existing Building Code, is amended to read as follows:

105.3 Application for permit. To obtain a permit, the applicant shall first file an application therefore in writing on a form (Plan Information Sheet) furnished by the MABCD for that purpose. Such application and/or notes on the drawings shall:

1. Identify and describe the work in accordance with Chapter 4 of the International Existing Building Code to be covered by the permit for which application is made.
2. Describe the land on which the proposed work is to be done by legal description, street address, or similar description that will readily identify and definitely locate the proposed building or work.
3. Indicate the use and occupancy for which the proposed work is intended.
4. Be accompanied by construction documents and other information as required by Section 106.3.
5. State the valuation of the proposed work.
6. Be signed by the applicant or the applicant's authorized agent.
7. Provide a statement indicating the percentage of building area, by floor, of the work area (see Chapter 2 Definitions: WORK AREA) covered by the permit application.
8. Give such other data and information as required by the code official.

Sec. 2.3.030. - Section 105.3.2 amended.

Section 105.3.2 of the International Existing Building Code, is amended to read as follows:

105.3.2 Time limitation of application. An Application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of project activity, unless such application has been pursued in good faith or a permit has been issued; except that the code official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Sec. 2.3.040. - Section 105.5 amended.

Section 105.5 of the International Existing Building Code, is amended to read as follows:

105.5 Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Work shall be considered to have been suspended or abandoned if it has been more than 180 days since the last required inspection. Before work can be recommenced, a new permit must be obtained to do so, and the fee shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work; and that such suspension or abandonment has not exceeded one year. The code official is authorized to grant, in writing, one or more extensions of time for periods not more than 180 days each. The extensions shall be requested in writing and justifiable cause demonstrated.

Sec. 2.3.050. - Section 107.3 amended.

Section 107.3 of the International Existing Building Code, is amended to read as follows:

107.3 Temporary power. The code official is authorized to give permission to temporarily supply and use power in part of an electrical installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat, or power in Article 4 of this Code.

Sec. 2.3.060. - Section 109.3.9 amended.

Section 109.3.9 of the International Existing Building Code, is amended to read as follows:

109.3.9 Final inspection. The final inspection shall be made after all work required by the building permit is completed. If landscaping is required by the building permit, the landscaping shall be installed by the holder of the building permit, their duly authorized agent, or property owner. A letter of credit or bond in the amount of 125% of the cost of the landscaping shall be submitted to the MABCD before a final inspection approval will be issued to the general contractor. The building shall not be occupied prior to obtaining final inspection approval.

Sec. 2.3.065. - Section 110.2 amended.

Section 110.2 of the International Existing Building Code, is amended to read as follows:

110.2 Certificate issued. After the code official inspects the building and finds no violations of the provisions of this Code or other laws that are enforced by the MABCD, the code official shall issue a certificate of occupancy that shall contain the following:

1. The building permit number.

2. The address of the structure.
3. The name of the owner.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with all adopted codes of the City of Wichita and/or the resolutions of Sedgwick County regulating building construction or use.

Sec. 2.3.070. - Section 112.1 amended.

Section 112.1 of the International Existing Building Code, is amended to read as follows:

112.1 General. In order to hear and decide appeals of orders, decisions, or determinations made by the code official relative to the application and interpretation of this Code, there shall be and is hereby created a board of code standards and appeals. The board of code standards and appeals shall be appointed by the governing body and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting business.

Sec. 2.3.080. - Section 401.2 amended.

Section 401.2 of the International Existing Building Code, is amended to read as follows:

401.2 Work area. The work area, as defined in Chapter 2 of the International Existing Building Code, shall be identified on the construction documents. The architect of record shall specify the percentage of area, by floor, that constitutes work area. Reconfiguration of floor area shall be the removal, relocation or construction of new walls or building elements within a tenant area or building. Work area calculations shall include the rooms or spaces and areas directly adjacent to where reconfiguration is planned.

Exception: The area of the entire room or space does not need to be included within the work area calculation where the following conditions are met:

1. The area within ten feet of the reconfiguration (perimeter calculation) is less than 25 percent of the room or space, and
2. The occupancy of the area has not changed, and
3. The reconfiguration does not affect the existing exits from the room or space.

Sec. 2.3.090. - Section 501.4 amended.

Section 501.4 of the International Existing Building Code, is amended to read as follows:

501.4 Flood hazard areas. In flood hazard areas, repairs that constitute substantial improvement shall require that the building comply with Chapter 27.04 of the Code of the City of Wichita and Chapter 13 of the Sedgwick County Code.

Sec. 2.3.100. - Section 506.2.5 amended.

Section 506.2.5 of the International Existing Building Code, is amended to read as follows:

506.2.5 Flood hazard areas. In flood hazard areas, damaged buildings that sustain substantial damage shall be brought into compliance with Chapter 27.04 of the Code of the City of Wichita and Chapter 13 of the Sedgwick County Code.

Sec. 2.3.110. - Section 602.3 amended.

Section 602.3 of the International Existing Building Code, is amended to read as follows:

602.3 Materials and methods. All new work shall comply with materials and methods requirements in the *National Electrical Code*, *International Building Code*, Article 3 (Plumbing) and Article 5 (Mechanical) of this Code, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, fire protection, and continuity of any element, component, or system in the building.

Exception: Where building separation is required by the adopted electrical code to allow for multiple electrical services, a fire wall may be constructed in accordance with the provisions of a two-hour fire barrier per the *International Building Code*. If the fire wall coincides with that of a required fire barrier, then the most restrictive requirement shall apply. For allowable area purposes, the building is considered as one structure with no benefit derived from the fire wall.

Sec. 2.3.120. - Section 605.1 amended.

Section 605.1 of the International Existing Building Code, is amended to read as follows:

605.1 General. A building, facility, or element that is altered shall comply with the applicable provisions in Section 605.1.1 through 605.1.12, Chapter 11, as amended, of the *International Building Code*, unless technically infeasible, the alteration shall provide access to the maximum extent technically feasible.

Exceptions: The altered element or space is not required to be on an accessible route unless required by Section 506.2.

Sec. 2.3.130. - Section 605.1.1 amended.

Section 605.1.1 of the International Existing Building Code, is amended to read as follows:

605.1.1 Entrances. Where an alteration includes alterations to an entrance, and the building or facility has an accessible entrance on an accessible route, the altered entrance is not required to be accessible unless required by Section 605.2. Signs complying with Section 2.2.1110 of this Code shall be provided.

Sec. 2.3.140. - Section 605.1.2 amended.

Section 605.1.2 of the International Existing Building Code, is amended to read as follows:

605.1.2 Elevators. Altered elements of existing elevators shall comply with ASME A17.1 and *International Building Code* Chapter 11, as amended. Such elements shall also be altered in elevators programmed to respond to the same hall call control as the altered elevator.

Sec. 2.3.150. - Section 605.1.3 amended.

Section 605.1.3 of the International Existing Building Code, is amended to read as follows:

605.1.3 Platform lifts. Platform (wheelchair) lifts complying with *International Building Code* Chapter 11, as amended, and installed in accordance with ASME A18.1 shall be permitted as a component of an accessible route.

Sec. 2.3.160. - Section 605.1.8 amended.

Section 605.1.8 of the International Existing Building Code, is amended to read as follows:

605.1.8 Dwelling or sleeping units. Where Group I-1, I-2, I-3, R-1, R-2, or R-4 dwelling or sleeping units are being altered, the requirements for accessible alarms apply only to the quantity of the spaces being altered.

Sec. 2.3.170. - Section 607 deleted.

Section 607 of the International Existing Building Code, is deleted.

Sec. 2.3.180. - Section 705.3.1.2.1 amended.

Section 705.3.1.2.1 of the International Existing Building Code, is amended to read as follows:

705.3.1.2.1 Fire escape access and details. Fire escapes shall comply with all of the following requirements:

1. Occupants shall have unobstructed access to the fire escape without having to pass through a room subject to locking.
2. Access to a new fire escape shall be through a door, except that windows shall be permitted to provide access from single dwelling units or sleeping units in Group R-1, R-2, and I-1 occupancies or to provide access from spaces having a maximum of 10 in other occupancy classifications.
3. Newly constructed fire escapes shall be permitted only where exterior stairs cannot be utilized because of lot lines limiting the stair size or because of the sidewalks, alleys, or roads at grade level.
4. Openings within 10 feet (3048 mm) of fire escape stairs shall be protected by fire

assemblies having $\frac{3}{4}$ hour fire-resistance ratings. When located within a recess or vestibule, adjacent enclosure walls shall not be less than one-hour fire-resistance rated construction.

Exception: Opening protection shall not be required in buildings equipped throughout with an approved automatic sprinkler system.

5. In all buildings of Group E occupancy, up to and including the 12th grade, buildings of Group I occupancy, rooming houses, and childcare centers, ladders of any type are prohibited on fire escapes used as a required means of egress.

6. Fire escape balconies shall not be less than 44 inches (1118 mm) in width with no floor opening greater than $\frac{5}{8}$ inch (15.9 mm) in width except the stairway opening. Stairway openings in such balconies shall not be less than 22 inches by 44 inches (559 mm by 1118 mm). The guard of each balcony shall not be less than 36 inches (914 mm) high with not more than 9 inches (229 mm) between intermediate rails.

7. Fire escapes shall extend to the roof or provide an approved gooseneck ladder between the top floor landing and the roof in buildings four or more stories in height having roofs with a slope not exceeding 4 units vertical in 12 units horizontal (33.3 percent slope). Such ladders shall be designed and connected to the building to withstand a horizontal force of 100 pounds per lineal foot (1459 N/m). Each rung shall support a concentrated load of 500 pounds (2224 N/m) placed anywhere on the rung to produce the maximum stress conditions. All ladders shall be at least 15 inches (381 mm) in clear width, be located within 12 inches (305 mm) of the building and shall be placed flatwise to the face of the building. Ladder rungs shall be at least $\frac{3}{4}$ inch (19.1 mm) in diameter and shall be located 10 inches to 12 inches (254 mm to 305 mm) on center. Openings for roof access ladders through cornices and similar projections shall have minimum dimensions of 30 inches by 33 inches (762 mm by 838 mm).

8. The lowest balcony shall not be more than 18 feet (5486 mm) from the ground. Fire escapes shall extend to the ground or be provided with counterbalanced stairs reaching to the ground.

9. The fire escape shall have a clearance from electrical service conductors as required by Article 4 of this Code.

Sec. 2.3.190. - Section 705.4.4 amended.

Section 705.4.4 of the International Existing Building Code, is amended to read as follows:

705.4.4 Panic hardware. In any work area, and in the egress path from any work area to the exit discharge, in buildings or portions thereof of Group A assembly occupancies with an occupant load greater than 49, all required exit doors equipped with latching devices shall be equipped with approved panic hardware.

Sec. 2.3.200. - Section 705.6 amended.

Section 705.6 of the International Existing Building Code, is amended to read as follows:

705.6 *Dead-end corridors.* Dead-end corridors in any work area shall not exceed 35 feet

(10 670 mm).

Exceptions:

1. Where dead-end corridors of greater length are permitted by the *International Building Code*.
2. In other than Group A and H occupancies, the maximum length of an existing dead-end corridor shall be 50 feet (15 240 mm) in buildings equipped throughout with an automatic fire alarm system installed in accordance with the *International Building Code*.
3. In other than Group A and H occupancies, the maximum length of an existing dead-end corridor shall be 70 feet (21 356 mm) in building equipped throughout with an automatic sprinkler system installed in accordance with the *International Building Code*.
4. In other than Group A and H occupancies, the maximum length of newly constructed, or extended dead-end corridor shall not exceed 50 feet (15 240 mm) on floors equipped with an automatic sprinkler system installed in accordance with the *International Building Code*.

Sec. 2.3.210. - Section 705.9 amended.

Section 705.9 of the International Existing Building Code, is amended to read as follows:

705.9 Stairs and handrails. Stairs shall comply with all of the following requirements:

1. Newly constructed stairs shall comply with the provisions of the *International Building Code*.
2. Existing winding or spiral stairways in any work area may serve as part of the means of egress from a building, including single exit buildings complying with 705.3.1.1, for a maximum occupant load of 10, provided that a complying handrail is located at the stair's outside perimeter. A winding or spiral stairway may not be the principal means of egress when used in conjunction with a fire escape as a second means of egress. Means of egress width shall comply with the building code. Circular stairways complying with the building code shall be acceptable as a means of egress.
3. An alteration or the replacement of an existing stairway shall not be required to comply with the requirements of a new stairway as outlined in the building code where the existing space and construction will not allow a reduction in pitch or slope.
4. The largest tread run within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm), nor be less than 10 inches (254 mm) in width. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm), nor be less than 4 inches (102 mm) in height. The maximum riser height shall not exceed 7 1/2 inches (191 mm) in height.

Exceptions:

1. In Group R-3 occupancies, stairs may have a minimum tread run of 9 inches (229 mm) and a maximum riser of 8 inches (203 mm) in height.

2. Existing stairs serving an occupant load of 10 or less may have a minimum tread run of 9 inches (229 mm) in width and a maximum riser of 8 inches (203 mm) in height.

3. Existing stairs serving an occupant load of 10 or less may have a minimum width of 30 inches (763 mm). Stairs serving an occupant load of 11 or more, but not more than 50, may be 36 inches (915 mm) in width. Stairs serving occupant load of over 50 shall comply with the building code.

The requirements of Section 705.9.1 and 705.9.2 shall apply to handrails from the work area floor to the level of exit discharge.

Sec. 2.3.220. - Section 706.2 amended.

Section 706.2 of the International Existing Building Code, is amended to read as follows:

706.2 Stairs and escalators in existing buildings. In alterations where an escalator or stair is added where none existed previously, an accessible route shall be provided in accordance with Chapter 11, as amended, of the *International Building Code*.

Sec. 2.3.230. - Section 706.3 amended.

Section 706.3 of the International Existing Building Code, is amended to read as follows:

706.3 Dwelling units and sleeping units. Where Group I-1, I-2, I-3, R-1, R-2, or R-4 dwelling units or sleeping units are being added, the requirements of Chapter 11, as amended, of the *International Building Code* for accessible units and Chapter 9 of the *International Building Code* for accessible alarms apply only to the quantity of spaces being added.

Sec. 2.3.240. - Section 708.3.1 amended.

Section 708.3.1 of the International Existing Building Code, is amended to read as follows:

708.3.1 Enclosed areas. All enclosed areas, other than closets, kitchens, basements, garages, hallways, laundry areas, utility areas, storage areas, and bathrooms shall have a minimum of two duplex receptacle outlets and one light fixture.

Sec. 2.3.250. - Section 708.3.7 amended.

Section 708.3.7 of the International Existing Building Code, is amended to read as follows:

708.3.7 Clearances for equipment. Clearance for electrical service equipment shall be provided in accordance with Article 4 of this Code.

Sec. 2.3.260. - Section 710.1 amended.

Section 710.1 of the International Existing Building Code, is amended to read as follows:

710.1 Minimum fixtures. Where the occupant load of the story is increased by more than 20 percent, plumbing fixtures for the story shall be provided in quantities specified in the International Building Code.

Sec. 2.3.270. - Section 711 deleted.

Section 711 of the International Existing Building Code is deleted.

Sec. 2.3.280. - Section 803.2 amended.

Section 803.2 of the International Existing Building Code, is amended to read as follows:

803.2 Fire partitions in Group R-3 and fire barrier separations in mixed occupancy uses involving a Group R-3. Fire separation in Group R-3 occupancies shall be in accordance with Section 803.2.1.

Sec. 2.3.290. - Section 803.2.1 amended.

Section 803.2.1 of the International Existing Building Code, is amended to read as follows:

803.2.1 Separation required. Where the work area is in any attached dwelling unit in Group R-3 or any multiple single family dwelling (townhouse), walls separating the dwelling-units that are not continuous from the foundation to the underside of the roof sheathing shall be constructed to provide a continuous fire separation using construction materials consistent with the existing wall or complying with the requirements for new structures. All work shall be preformed on the side of the dwelling unit wall that is part of the work area.

Exception: Where alterations or repairs do not result in the removal of wall or ceiling finishes exposing the structure, walls are not required to be continuous through concealed floor spaces.

Where the work area is adjacent to a different occupancy group, then separation of the occupancy groups by means of an approved fire barrier shall be in accordance with the *International Building Code*.

Exceptions:

1. The required separation between a Group R-3 and an accessory garage for the storage of private or pleasure-type motor vehicles where no repair work is done or fuel dispensed may be built in conformance Section 406.1.4(1), of the *International Building Code*.
2. The required separation between a Group R-3 and a Group B, M or S-2 parking garage of 5,000 square feet (464 m²) or less shall be protected with a fire barrier of not less than one-hour fire-resistant construction.

Sec. 2.3.300. - Section 808 is deleted.

Section 808 of the International Existing Building Code, is deleted.

Sec. 2.3.310. - Section 908.1 amended.

Section 908.1 of the International Existing Building Code, is amended to read as follows:

908.1 Special occupancies. Where the occupancy of an existing building or part of an existing building is changed to one of the following special occupancies as described in Article 4 of this Code, the electrical wiring and equipment of the building or portion thereof that contains the proposed occupancy shall comply with the applicable requirements of Article 4 of this Code whether or not a change of occupancy group is involved:

1. Hazardous locations.
2. Commercial garages, repair, and storage.
3. Aircraft hangers.
4. Gasoline dispensing and service stations.
5. Bulk storage plants.
6. Spray application, dipping, and coating processes.
7. Health care facilities.
8. Places of assembly.
9. Theaters, audience areas of motion picture and television studios, and similar locations.
10. Agricultural buildings.

Sec. 2.3.320. - Section 908.2 amended.

Section 908.2 of the International Existing Building Code, is amended to read as follows:

908.2 Unsafe conditions. Where the occupancy of an existing building or part of an existing building is changed, all unsafe conditions shall be corrected without requiring that all parts of the electrical system be brought up to the current requirements of Article 4 of this Code.

Sec. 2.3.330. - Section 908.3 amended.

Section 908.3 of the International Existing Building Code, is amended to read as follows:

908.3 Service upgrade. Where the occupancy of an existing building or part of an existing building is changed, electrical service shall be upgraded to meet the requirements of Article 4 of this Code for the new occupancy.

Sec. 2.3.340. - Section 908.4 amended.

Section 908.4 of the International Existing Building Code, is amended to read as follows:

908.4 Number of electrical outlets. Where the occupancy of an existing building or part of an existing building changed, the number of electrical outlets shall comply with Article 4 of this Code for the new occupancy.

Sec. 2.3.350. - Section 910.1 amended.

Section 910.1 of the International Existing Building Code, is amended to read as follows:

910.1 Increased demand. Where the occupancy of an existing building or part of an existing building is changed such that the new occupancy is subject to increased or different plumbing fixture requirements or to increased water supply requirements in accordance with the *International Building Code* and Article 3 (Plumbing) of this Code, the new occupancy shall comply with the intent of the respective code provisions.

Sec. 2.3.360. - Section 910.2 amended.

Section 910.2 of the International Existing Building Code, is amended to read as follows:

910.2 Food handling occupancies. If the new occupancy is a food handling establishment, all existing sanitary waste lines above the food or drink preparation or storage areas shall be panned or otherwise protected to prevent leaking pipes or condensation on pipes from contaminating food or drink. New drainage lines shall not be installed above such areas and shall be protected in accordance with Article 3 (Plumbing) of this Code.

Sec. 2.3.370. - Section 910.3 amended.

Section 910.3 of the International Existing Building Code, is amended to read as follows:

910.3 Interceptor required. If the new occupancy will produce grease or oil-laden wastes, interceptors shall be provided as required by the Water & Sewer Department and installed in accordance with Article 3 (Plumbing) of this Code.

Sec. 2.3.380. - Section 910.5 amended.

Section 910.5 of the International Existing Building Code, is amended to read as follows:

910.5 Group I-2. If the occupancy group is changed to Group I-2, the plumbing system shall comply with the applicable requirements of Article 3 (Plumbing) of this Code.

Sec. 2.3.390. - Section 912.8 amended.

Section 912.8 of the International Existing Building Code, is to read as follows:

912.8 Accessibility. Existing buildings or portions thereof that undergo a change of group or occupancy classification shall have all of the following accessible features:

1. At least one accessible building entrance.
2. At least one accessible route from an accessible building entrance to primary function

areas.

3. Signage complying with Chapter 11, as amended, of the *International Building Code*.
4. Accessible parking, where parking is provided.
5. At least one accessible passenger loading zone, where loading zones are provided.
6. At least one accessible route connecting accessible parking and accessible passenger loading zones to an accessible entrance.

Where it is technically infeasible to comply with the new construction standards for any of these requirements for a change of group or occupancy, the above items shall conform to the requirements to the maximum extent technically feasible. Change of group or occupancy that incorporate any alterations or additions shall comply with this section and Sections 605.1 and 1005.1 as applicable.

Exception: Type B dwelling or sleeping units required by Chapter 11, as amended, of the *International Building Code* are not required to be provided in existing buildings and facilities.

Sec. 2.3.400. - Section 1001.2 amended.

Section 1001.2 of the International Existing Building Code, is amended to read as follows:

1001.2 Creation or extension of nonconformity. An addition shall not create or extend any nonconformity in the existing building to which the addition is being made with regard to accessibility, structural strength, fire safety, means of egress, or the capacity of mechanical, plumbing, or electrical systems.

Exception: Area separation walls constructed prior to the adoption of the 2000 *International Building Code* (April 2, 2002) may be increased in length by not more than 25 percent of the length of the existing wall, not to exceed thirty feet. The method of construction and fire rating of the additional wall length shall be in general conformance to that of the existing wall. The materials used in the area separation wall construction shall comply with the building construction type, but may be any approved assembly that provides the same level of protection.

Sec. 2.3.410. - Section 1002.2 amended.

Section 1002.2 of the International Existing Building Code, is amended to read as follows:

1002.2 Area limitations. No addition shall increase the area of an existing building beyond that permitted under the applicable provisions of Chapter 5 of the *International Building Code* for new buildings unless fire separation as required by the *International Building Code* is provided.

Exceptions:

1. In-filling of floor openings and nonoccupiable appendages such as elevator and exit

stair shafts shall be permitted beyond that permitted by the *International Building Code*.

2. Allowable area expansion rights up to and including an additional 10% (percent) area increase which would have been allowed under the Code when the building was constructed, will be permissible without approval from the Director of the MABCD, subject to the fire area limitations of Sections 1002.3 of this Code.

Sec. 2.3.420. - Section 1002.3 amended.

Section 1002.3 of the International Existing Building Code, is amended to read as follows:

1002.3 Fire protection systems. Existing fire areas increased by the addition shall comply with Chapter 9 of the *International Building Code*.

Exception: Buildings constructed prior to the adoption of the 2000 *International Building Code* (April 2, 2002) may have a nonconforming fire area increase by not more than 25 percent of the fire area limitation, for the occupancy classification, as specified under Section 903.2 of the *International Building Code*. All additions to the fire area shall be considered as accumulative and subject to the limitations of the construction type.

Sec. 2.3.430. - Section 1003.5 amended.

Section 1003.5 of the International Existing Building Code, is amended to read as follows:

1003.5 Flood hazard areas. Additions and foundations in flood hazard areas shall comply with Chapter 27.04 of the Code of the City of Wichita and Chapter 13 of the Sedgwick County Code.

Sec. 2.3.440. - Section 1101.4 amended.

Section 1101.4 of the International Existing Building Code, is to read as follows:

1101.4 Flood hazard areas. In flood hazard areas, if all proposed work, including repairs, work required because of a change of occupancy, and alterations, constitutes substantial improvement, then the existing building shall comply with Chapter 27.04 of the Code of the City of Wichita and Chapter 13 of the Sedgwick County Code.

Sec. 2.3.450. - Section 1201.2 amended.

Section 1201.2 of the International Existing Building Code, is amended to read as follows:

1201.2 Conformance. The building shall be safe for human occupancy as determined by the *International Fire Code* and the *International Building Code*. Any repair, alteration, or change of occupancy undertaken within the moved structure shall comply with the requirements of this Code applicable to the work being performed. Any field-fabricated elements shall comply with the requirements of the *International Building Code* or the *International Residential Code* as applicable.

Sec. 2.3.460. - Section 1301.2 amended.

Section 1301.2 of the International Existing Building Code, is amended to read as follows:

1301.2 Applicability. Structures existing prior to April 2, 2002, in which there is work involving additions, alterations, or changes of occupancy shall be made to conform to the requirements of this chapter or the provisions of Chapter 4 through 12. The provisions of Section 1301.2.1 through 1301.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, M, R, and S. These provisions shall not apply to buildings with occupancies in Group H or Group I.

Sec. 2.3.470. - Section 1301.2.5 amended.

Section 1301.2.5 of the International Existing Building Code, is amended to read as follows:

1301.2.5 Accessibility requirements. All portions of the buildings proposed for change of occupancy shall conform to the accessibility provisions of Chapter 11, as amended, of the *International Building Code*.

Sec. 2.3.480. - Section 1301.3.2 amended.

Section 1301.3.2 of the International Existing Building Code, is amended to read as follows:

1301.3.2 Compliance with other codes. Buildings that are evaluated in accordance with this section shall comply with the *International Fire Code in accordance with the respective Codes of the City and County*.

Sec. 2.3.490. - Section 1301.3.3 amended.

Section 1301.3.3 of the International Existing Building Code, is amended to read as follows:

1301.3.3 Compliance with flood hazard provisions. In flood hazard areas, buildings that are evaluated in accordance with this section shall comply with Chapter 27.04 of the Code of the City of Wichita and Chapter 13 of the Sedgwick County Code if the work covered by this section constitutes substantial improvement.

Sec. 2.3.500. - Section 1401.5 amended.

Section 1401.5 of the International Existing Building Code, is amended to read as follows:

1401.5 Facilities required. Sanitary facilities for building occupants shall be provided during construction or demolition activities, where occupancy of the structure will still occur.

Sec. 2.3.510. - Section 1401.5.1 amended.

Section 1401.6.1 of the International Existing Building Code, is amended to read as follows:

1401.6.1 Walkways. A walkway shall be provided for pedestrian travel in front of every construction and demolition site unless the authority having jurisdiction authorizes the sidewalk to be fenced or closed. Walkways shall be of sufficient width to accommodate the pedestrian traffic, but in no case shall they be less than 4 feet (1219 mm) in width. Walkways shall be provided with a durable walking surface. Walkways shall be accessible in accordance with Chapter 11, as amended, of the *International Building Code* and shall be designed to support all imposed loads and in no case shall the design live load be less than 150 psf (7.2 kNm²).

Exception: The walkway is not required when there is not an existing sidewalk or one planned for that location.

Article 2, Section 4 - INTERNATIONAL RESIDENTIAL CODE

Sec. 2.4.010. - Adoption of the International Residential Code.

The International Residential Code, as published by International Codes Council, Inc., 2006 Edition, is hereby adopted, subject to such amendments as set forth hereinafter.

Sec. 2.4.020. - Permit required.

Section R105.1 of the International Residential Code is amended to read as follows:

R105.1 Required. Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, or to cause any such work to be done, shall first make application to the building official and obtain the required permit.

Whenever any work for which a permit is required by this Code has commenced without first obtaining said permit, a special investigation fee equal to the amount of the permit fee shall be collected in addition to the permit fee.

Sec. 2.4.030. - Work exempt from permit.

Section R105.2 of the International Residential Code is amended to read as follows:

R105.2 Work exempt from permit: Exemption from permit requirements of this Code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this Code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

BUILDING:

1. One-story detached accessory structures, provided the floor area does not exceed 200 square feet (18.58 m²) and a location permit is obtained from the MABCD prior to installation.

Exception: Non-fixed and movable storage cabinets equipped with doors that conceal

the contents within and having a footprint not exceeding 25 square feet (2.32 m²), shall not require the issuance of a location permit.

All detached accessory structures greater than 25 (2.32 m²) but equal to or less than 400 (37.16 m²) square feet shall be tied down to the earth using anchoring methods described in "Non Vehicular Storage Structure Anchoring Standards" of the City of Wichita; or be attached to a permanent concrete foundation per R403.1.6.

1.1 Playhouses or tree houses having single or multi-level floors with or without roofs.

2. Concrete or masonry fences not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall and other fences not over 8 feet (2438 mm) high.

2.1 Concrete or masonry monument sign bases not 4 feet (1219 mm) in height measured from the lowest point of the adjoining grade. The sign size and content requires separate approval and permit.

3. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.

4. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,925 L) and the ratio of height to diameter or width does not exceed 2 to 1.

5. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade and not over any basement or story below.

6. Decks, stoops, and porches not more than 30 inches (762 mm) above adjacent grade without overhead structures and not over any basement or story below.

7. Replacement of floor covering, painting, papering, tiling, carpeting, cabinets, counter tops, paneling and similar finish work.

8. Prefabricated swimming pools that are less than 24 inches (610 mm) deep and the capacity does not exceed 5,000 gallons (18,925 L) in which the pool walls are entirely above ground.

9. Swings and other playground equipment accessory to a one- or two-family dwelling.

10. Window awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.

11. Emergency board-up, or securing temporary bracing of a building after a fire, storm, vehicle damage or other disaster which caused the building to be open or unsafe. The building owner or his/her agent may cause such work to be done provided that the MABCD is notified the following business day.

12. Repair or replacement of roofing and/or siding materials not exceeding 400 square feet (37.16 m²) within any 12 month period.

13. Repair or replacement of interior gypsum wallboard on non-fire rated walls or ceilings when the total area does not exceed 100 square feet (9.29 m²) within any 12-month period and provided that no framing electrical, mechanical or plumbing changes are made.

14. Replacement of windows or doors or replacement of roof skylights or equipment with the same size or smaller unit(s) that does not involve the removal, cutting, alteration or replacement of any building structural member; including but not limited to studs, headers, girders, beams, joists, rafters, cripples, jacks or other supporting framing member(s). The framing used to infill existing openings for the purpose of installing smaller unit(s) shall be exempt from permit requirements. Placement of smaller windows or doors shall not reduce the minimum size requirements of escape and rescue openings, or egress door(s) required in Sections R310 and R311 of this Code. The replacement door or window shall not be of a lower fire rating than required by this Code for any rated wall or assembly.

ELECTRICAL:

Exemptions for electrical permits shall be governed by Article 4 of this Code.

GAS:

1. Portable heating, cooking or clothes drying appliances.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.
3. Portable-fuel-cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

MECHANICAL:

1. Portable heating appliances.
2. Portable ventilation appliances.
3. Portable cooling units.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this Code.
5. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.
6. Portable evaporative coolers.
7. Self-contained refrigeration systems containing 10 pounds (4.54 kg) or less of refrigerant or that are actuated by motors of 1 horsepower (746 W) or less.
8. Portable-fuel-cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, water or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this Code.

The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Sec. 2.4.040. - Emergency repairs.

Section R105.2.1 of the International Residential Code, is amended as follows:

R105.2.1 Emergency repairs. Where repairs must be performed in an emergency situation, the permit application shall be submitted within the next working business day to the building official.

Sec. 2.4.050. - Repairs.

Section R105.2.2 of the International Residential Code, is amended to read as follows:

R105.2.2 Repairs. Application or notice to the building official is not required for ordinary repairs to structures. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting away of any structural beam or load-bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include addition to, alteration of, replacement or relocation of any gas, mechanical or other work affecting public health or general safety.

Sec. 2.4.060. - Section R105.2.3 deleted.

Section R105.2.3 of the International Residential Code is deleted.

Sec. 2.4.070. - Permit expiration.

Section R105.5 of the International Residential Code is amended to read as follows:

R105.5 Expiration. Every permit issued shall expire unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Work shall be considered to have been suspended or abandoned if it has been more than 180 days since the last requested inspection. Before work can be recommenced, the permit must be re-instated. The fee for re-instatement shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work; and that such suspension or abandonment has not exceeded one year. In order to resume work after suspension or abandonment for a period exceeding one year, a new permit shall be required. The code official is authorized to grant, in writing, one or more extensions of time for

periods not more than 180 days each. The extensions shall be requested in writing and justifiable cause demonstrated.

Sec. 2.4.080. - Placement of inspection record card and address marker.

Section R105.7 of the International Residential Code, is amended to read as follows:

R105.7 Placement of the inspection record card and address marker. The inspection record card shall be kept on the site of the work until the completion of the project. Work requiring a permit shall not be commenced until the inspection record card is posted or otherwise made available on the site. The inspection record card shall be maintained and available on site until final inspection approval has been granted by the building official. Work shall not be started until the address is posted in such a position as to be plainly visible and legible from the street or road fronting the site.

Sec. 2.4.090. - Refunds.

Section R108.5 of the International Residential Code, is amended to read as follows:

R108.5 Refunds. The building official may authorize refunding of any fee paid hereunder, which was erroneously paid or collected. The building official may authorize refunding of not more than 80% of the fee paid when no work has been done under the permit in accordance with this Code and if 180 days has not expired since the issuance of said permit.

Sec. 2.4.100. - Section R109.1.6 created.

Section R109.1.6 of the International Residential Code is amended to read as follows:

R109.1.6 Final inspection. Final inspection shall be made after the permitted work is complete and prior to occupancy. This requirement may be waived by the building official for approvals granted to limited contractors who are part of self-certification programs established and monitored by the MABCD. In these instances the contractors must meet all established program criteria, must provide all required documentation, and be subject to periodic audits by the MABCD. The building official may revoke permission to self-certify, for cause, at any time.

Sec. 2.4.110. - R301.1.1 created.

Section R301.1.1 of the International Residential Code is amended to read as follows:

R301.1.1 Alternative provisions. As an alternative to the requirements in Section R301.1 the following standards are permitted subject to the limitations of this Code and the limitations therein. Where engineered design is used in conjunction with these standards the design shall comply with the International Building Code.

1. American Forest and Paper Association (AAF&PA) Wood Frame Construction Manual (WFCM).
2. American Iron and Steel Institute (AISI) Standard for Cold-Formed Steel

Framing - Prescriptive Method for One- and Two-Family Dwellings (COFS/PM) with Supplement to Standard for Cold-Formed Steel Framing - Prescriptive Method for One- and Two-Family Dwellings.

3. The Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011).

Sec. 2.4.115. - Table R301.2(1) amended.

Table R301.2(1) of the International Residential Code is amended to read as follows:

Table R301.2(1) Climatic and Geographic Design Criteria. The Climatic and Geographic Design Criteria for building design shall be as provided in Table R301.2(1).

Table R301.2(1) of the International Residential Code is amended to read as follows:

TABLE R301.2(1) - SECTION R301, DESIGN CRITERIA

Climatic and Geographic Design Criteria for Sedgwick County, Ks.

Ground Snow Load – 15 psf	Design Temps
Wind Speed (mph) – 76w/90-3 sec. gust	Air Freezing Temp. - 400
Seis. Design Cat. - A	Mean Air Temp. - 55-60 deg.
Weathering - Severe	Summer - 98
Frost Line Depth - 24 inches	2.5% dry bulb
Termite - Mod./Severe	Winter - 76
Winter Design Temp. - 97.50% - 7	2.5% wet bulb
Ice Barrier - None Required	Heating Degree Days - 4,620

	Roof	Floor
Dead Load -	10 lb. psf	10 lb. psf.
Live Load -	20 lb. spf	40 lb. psf.

For SI: 1 pound per square foot = 0.0479kPa, 1 mile per hour = 0.447 m/s.

a. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this Code. The weathering column shall be filled in with the weathering index (i.e., "negligible," "moderate" or "severe") for concrete as determined from the Weathering Probability Map [Figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652.

b. The frost line depth may require deeper footings than indicated in Figure R403.1(1). The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade. For construction of one and two family dwelling

habitable spaces, the *Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings* (August 30, 2011) shall apply.

c. The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been any history of local subterranean termite damage.

d. The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map [Figure R301.2(4)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.

e. The outdoor design dry-bulb temperature shall be selected from the columns of 97 ½ - percent values for winter from Appendix D of the *International Plumbing Code*. Deviations from the Appendix D temperatures shall be submitted to reflect local climates or local weather experience as determined by the building official.

f. The jurisdiction shall fill in this part of the table with the seismic design category determined from Section R301.2.2.1.

g. The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the currently effective FIRM and FBFM, or other flood hazard map adopted by the community, as may be amended.

h. In accordance with Sections R905.2.7.a, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES". Otherwise, the jurisdiction shall fill in this part of the table with "NO".

i. The jurisdiction shall fill in this part of the table with the 100-year return period freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99%) value on the National Climatic Data Center data table "Air Freezing Index - USA Method (Base 32° Fahrenheit)" at www.ncdc.noaa.gov/fpsf.html.

j. The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index - USA Method (Base 32° Fahrenheit)" at www.ncdc.noaa.gov/fpsf.html.

Sec. 2.4.120. - Live load.

Section R301.5 of the International Residential Code, is amended to read as follows:

R301.5 Live load. The minimum uniformly distributed live load shall be as provided in Table R301.5.

TABLE R301.5 - MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS

(in pounds per square foot)

USE	LIVE LOAD
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Attics with limited storage ^{b, g, h}	20
Attics without storage ^b	10
Decks ^e	40
Exterior balconies	60
Fire escapes	40
Guardrails and handrails ^d	200 ⁱ
Guardrails in-fill components ^f	50 ⁱ
Passenger vehicle garages ^a	50 ^a
Rooms other than sleeping rooms	40
Sleeping rooms	40
Stairs	40 ^c

For SI: 1 pound per square foot = 0.0479 kPa, 1 square inch = 645 mm², 1 pound = 4.45 N.

- a. Elevated garage floors shall be capable of supporting a 2,000-pound load applied over a 20-square-inch area.
- b. Attics without storage are those where the maximum clear height between joist and rafter is less than 42 inches, or where there are not two or more adjacent trusses with the same web configuration capable of containing a rectangle 42 inches high by 2 feet wide, or greater, located within the plane of the truss. For attics without storage, this live load need not be assumed to act concurrently with any other live load requirements.
- c. Individual stair treads shall be designed for the uniformly distributed live load or a 300-pound concentrated load acting over an area of 4 square inches, whichever produces the greater stresses.
- d. A single concentrated load applied in any direction at any point along the top.
- e. See Section R502.2.1 for decks attached to exterior walls.
- f. Guard in-fill components (all those except the handrail), balusters and panel fillers shall be designed to withstand a horizontally applied normal load of 50 pounds on an area equal to 1 square foot. This load need not be assumed to act concurrently with any other live load requirement.
- g. For attics with limited storage and constructed with trusses, this live load need be applied only to those portions of the bottom chord where there are two or more adjacent trusses with the same web configuration capable of containing a rectangle 42 inches high or greater by 2 feet wide or greater, located within the plane of the truss. The rectangle shall fit between the top of the bottom chord and the bottom of any other truss member, provided that each of the following criteria is met:
 1. The attic area is accessible by a pull-down stairway or framed opening in accordance with Section R807.1; and
 2. The truss has a bottom chord pitch less than 2:12.
- h. Attic spaces served by a fixed stair shall be designed to support the minimum live load specified for sleeping rooms.

- i. Glazing used in handrail assemblies and guards shall be designed with a safety factor of 4. The safety factor shall be applied to each of the concentrated loads applied to the top of the rail, and to the load on the in-fill components. These loads shall be determined independent of one another, and loads are assumed not to occur with any other live load.

Sec. 2.4.130. - Exterior walls.

Section R302.1 of the International Residential Code is amended to read as follows:

Section R302.1 Exterior Walls of the International Residential Code, is amended to read as follows:

R302.1. Exterior walls. Exterior Walls of buildings constructed adjacent to a zero lot line (as defined in the zoning ordinance) may be of non-rated construction, provided: The wall contains no openings unless the sill height is located a minimum of 6 feet (1829 mm) above both the finished floor elevation and exterior grade or is constructed of translucent materials so as to not allow visibility into the adjacent property.

Exception: Foundation vents installed in compliance with this Code are permitted.

Sec. 2.4.140. - Habitable rooms.

Section R303.1 of the International Residential Code is amended to read as follows:

R303.1 Habitable rooms. All habitable rooms shall have an aggregate glazing area of not less than 8 percent of the floor area of such rooms. Natural ventilation shall be through windows, doors, louvers or other approved openings to the outdoor air. Such openings shall be provided with ready access or shall otherwise be readily controllable by the building occupants. The minimum openable area to the outdoors shall be 4 percent of the floor area being ventilated.

Exceptions:

1. The glazed areas need not be openable where the opening is not required by Section R310 and an approved mechanical ventilation system capable of producing 0.35 air change per hour in the room is installed or a whole-house mechanical ventilation system is installed capable of supplying outdoor ventilation air of 15 cubic feet per minute (cfm) (78 L/s) per occupant computed on the basis of two occupants for the first bedroom and one occupant for each additional bedroom.
2. The glazed area need not be installed in rooms where Exception 1 above is satisfied and artificial light is provided capable of producing an average illumination of 6 footcandles (65 lux) of the area of the room at a height of 30 inches (762 mm) above the floor level.
3. Use of sunroom additions and patio covers, as defined in Section R202, shall be permitted for natural ventilation if in excess of 40 percent of the exterior sunroom walls are open, or are enclosed only by insect screening.

In new dwellings and additions to existing one and two family dwellings, where a new

separate heating and/or cooling system is being added to serve, but not necessarily limited to serving the new addition, an outside air duct shall be connected to the main return air duct, prior to filter, of each heating and/or cooling system for the habitable space served. Duct size shall be based on the square footage of habitable space served as follows:

1. 1500 sq. ft. or less: 4 inch diameter or 12.6 square inches.
2. 1501 sq. ft. to 2000 sq. ft. 5 inch diameter or 19.6 square inches.
3. 2001 sq. ft. and larger 6 inch diameter or 28.3 square inches. All areas listed exclude finished basement area. The outside air duct shall be provide with a ¼ inch mesh inlet screen. The outside air duct shall not draw air from contaminated sources.

Sec. 2.4.150. - Bathrooms.

Section R303.3 of the International Residential Code, is amended to read as follows:

R303.3 Bathrooms. Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 (0.3 m²) square feet, one-half of which must be openable.

Exception: The glazed areas shall not be required where artificial light and a mechanical ventilation system are provided. The minimum ventilation rates shall be 50 cubic feet per minute (24 L/s) for intermittent ventilation or 20 cubic feet per minute (10 L/s) for continuous ventilation. Ventilation air from the space shall be exhausted directly to the outside or into a properly ventilated attic when all of the following are met:

1. The duct(s) conveying exhaust into the attic shall terminate a minimum of 36 inches above the top of the ceiling framing members, and shall not discharge upon any building element.
2. Attics into which bath and/or toilet room exhausts are discharged must be properly ventilated, in accordance with Section R806, and shall not discharge into an unvented attic assembly.
3. The exhaust duct(s) shall terminate above the top of the attic insulation with a "goose-neck" installed to prevent infiltration of insulating material into the duct.
4. Exhaust duct(s) run above the insulation inside of attics, with a developed length greater than 5 feet, shall be insulated.

Sec. 2.4.160. - Stairway illumination.

Section R303.6 of the International Residential Code, is amended to read as follows:

R303.6 Stairway Illumination: All interior and exterior stairways shall be provided with means to illuminate the stairway.

Sec. 2.4.170. - Hazardous locations.

Section R308.4 of the International Residential Code, is amended to read as follows:

R308.4 Hazardous locations. The following shall be considered specific hazardous locations for the purpose of glazing:

1. Glazing in swinging doors except jalousies.
2. Glazing in fixed and sliding panels of sliding door assemblies and panels in sliding and bi-fold closet door assemblies.
3. Glazing in storm doors.
4. Glazing in all unframed swinging doors.
5. Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface.

Exception: Glazing that is 18 inches (1524 mm) or more, measured horizontally and in a straight line, from the water's edge of a hot tub, whirlpool or bathtub.

6. Glazing, in an individual fixed or operable panel adjacent to a door where the nearest vertical edge is within a 12 inch (305 mm) arc of the door in a closed position and whose bottom edge is less than 60 inches (1524 mm) above the floor or walking surface.
7. Glazing in an individual fixed or operable panel, other than those locations described in items 5 and 6 above, that meets all of the following conditions:
 - 7.1. Exposed area of an individual pane larger than 9 square feet (0.836 m²).
 - 7.2. Bottom edge less than 10 inches (254 mm) above the floor.
 - 7.3. Top edge more than 36 inches (914 mm) above the floor.
 - 7.4. One or more walking surfaces within 36 inches (914 mm) horizontally of the glazing.
8. All glazing in railings regardless of an area or height above a walking surface. Included are structural baluster panels and nonstructural in-fill panels.
9. Glazing in walls and fences enclosing indoor and outdoor swimming pools, hot tubs and spas where the bottom edge of the glazing is less than 60 inches (1524 mm) above a walking surface and within 60 inches (1524 mm) horizontally of the water's edge. This shall apply to single glazing and all panes in multiple glazing.
10. Glazing adjacent to stairways, landings and ramps within 36 inches (914 mm) horizontally of a walking surface when the exposed surface of the glass is less than 60 inches (1524 mm) above the plane of the adjacent walking surface.

11. Glazing in walls enclosing stairway landings or within 60 inches (1524 mm) of the top and bottom of stairways where the bottom edge of the glass is less than 60 inches (1524 mm) above the walking surface.

Exception: The following products, materials and uses are exempt from the above hazardous locations:

1. Openings in doors through which a 3-inch (76 mm) sphere is unable to pass.
2. Decorative glass in Items 1, 6 or 7.
3. Glazing in Section R 308.4, Item 6, when there is an intervening wall or other permanent barrier between the door and the glazing.
4. Glazing in Section R 308.4, Item 6, in walls perpendicular to the plane of the door in a closed position, other than the wall toward which the door swings when opened, or where access through the door is to a closet or storage area 3 feet (914 mm) or less in depth. Glazing in these applications shall comply with Section R 308.4, Item 7.
5. Glazing in Section R308.4, Items 7 and 10, when a protective bar is installed on the accessible side(s) of the glazing 36 inches \pm 2 inches (914 mm \pm 51 mm) above the floor. The bar shall be capable of withstanding a horizontal load of 50 pounds per linear foot (730 N/m) without contacting the glass and be a minimum of 1.5 inches (38 mm) in height.
6. Outboard panes in insulating glass units and other multiple glazed panels in Section R 308.4, Item 7, when the bottom edge of the glass is 25 feet (7620 mm) or more above grade, a roof, walking surfaces, or other horizontal [within 45 degrees (0.79 rad) of horizontal] surface adjacent to the glass exterior.
7. Louvered windows and жалousies complying with the requirements of Section R 308.2.
8. Mirrors and other glass panels mounted or hung on a surface that provides a continuous backing support.
9. Safety glazing in Section R 308.4, Items 10 and 11, is not required where:
 - 9.1. The side of a stairway, landing or ramp has a guardrail or handrail, including balusters or in-fill panels, complying with provisions of Sections 1013 and 1607.7 of the International Building Code; and
 - 9.2. The plane of the glass is more than 18 inches (457 mm) from the railing; or
 - 9.3. When a solid wall or panel extends from the plane of the adjacent

walking surface to 34 inches (863 mm) to 36 inches (914 mm) above the floor and the construction at the top of that wall or panel is capable of withstanding the same horizontal load as the protective bar.

10. Glass block panels complying with Section R 610.

11. All windows in walls may be protected by an approved safety film installed by certified installers in accordance with the manufacture's specifications.

Sec. 2.4.180. – Section R309.5 deleted.

Section R309.5 of the International Residential Code is hereby deleted.

Sec. 2.4.190. - Minimum opening area.

Section R310.1.1 of the International Residential Code is amended as follows:

R310.1.1 Minimum opening area. All emergency escape and rescue openings shall have a minimum net clear opening of 4.5 (0.418 m²) square feet with the window in an open position, with a total break-out area of 5.7 (0.530 m²) square feet. The minimum net clear opening shall be maintained to a public way, yard or court.

Sec. 2.4.200. - Minimum opening height.

Section R310.1.2 of the International Residential Code is amended as follows:

R310.1.2 Minimum opening height. The minimum net clear opening height shall be:

1. 19¾ inches (501.7 mm) plus or minus ¼ inch for single, double hung and awning style windows.

For all other types of windows the minimum height shall be determined by multiplying the width times the height to achieve a total net clear opening of 4.5 (114.3 mm²) square feet with a total break-out area of 5.7 (0.530 m²) square feet.

Sec. 2.4.210. - Minimum opening width.

Section R310.1.3 of the International Residential Code is amended as follows:

R310.1.3 Minimum opening width. The minimum net clear opening width shall be:

1. 17 inches (431.8 mm) plus or minus ¼ inch in the open position for casements and slider windows.

2. 30¼ (768.35 mm) inches plus or minus ¼ inch for single and double hung units.

Sec. 2.4.220. - Ladder and steps.

Section R310.2.1 of the International Residential Code is amended to read as follows:

R310.2.1 Ladders, steps and fall protection. Window wells with a vertical depth greater than 44 inches (1118 mm) shall be equipped with a permanently affixed ladder or steps usable with the window in the fully open position. Ladders or steps required by this section shall not be required to comply with Sections R311.5 and R311.6. Ladders or rungs shall have a inside width of at least 12 inches (305 mm), shall project at least 3 inches (76 mm) to the back of the rung from the wall and shall be spaced not more than 12 inches (305 mm) on center vertically for the full height of the window well. Window wells with a vertical depth of more than 30 inches (762 mm) shall be provided with guardrails that are designed in accordance with Section R312, or a protective cover designed to a minimum of 20 pounds per square foot (0.96 KN per m²) uniformly distributed live load. Window well covers shall be provided with an emergency egress hatch located above the ladder or steps, with the minimum egress opening maintained. The force required to open the egress hatch shall not exceed 30 pounds (133.45 N) and shall not require the use of keys, more than one operation, or any special knowledge or effort. Window well covers, grates, and guardrails shall be constructed of materials approved for exterior use.

Sec. 2.4.230. - Landings at doors.

Section R311.4.3 of the International Residential Code is amended to read as follows:

R311.4.3 Landings at doors. There shall be a floor or landing on each side of each exterior door. The floor or landing at the exterior door shall not be more than 1.5 inches (38 mm) lower than the top of the threshold. The landing shall be permitted to have a slope not to exceed 0.25 unit vertical in 12 units horizontal (2-percent).

Exceptions:

1. Where a stairway of four or fewer risers is located on the exterior side of a door, other than the required exit door, a landing is not required for the exterior side of the door provided the door, other than an exterior storm or screen door does not swing over the stairway.
2. The exterior landing at an exterior doorway shall not be more than 8 (203 mm) inches below the top of the threshold, provided that the door, other than an exterior storm or screen door, does not swing over the landing.
3. The height of floors at exterior doors other than the exit door required by Section R311.4.1 shall not be more than 8 (203 mm) inches lower than the top of the threshold.

The width of each landing shall not be less than the door served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel.

Sec. 2.4.240. - Riser height.

Section R311.5.3.1 of the International Residential Code is amended to read as follows:

Riser height: The maximum riser height shall be 8 (203 mm) inches. The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

Sec. 2.4.250. - Tread depth.

Section R311.5.3.2 of the International Residential Code is amended to read as follows:

R311.5.3.2 Tread depth. The minimum tread depth shall be 9 inches (228.6 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder and circular treads shall have a minimum tread depth of 9 inches (228.6 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder and circular treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the largest winder or circular tread depth at the 12-inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm).

Sec. 2.4.260. – Section R311.5.3.3 deleted.

Section R311.5.3.3 of the International Residential Code is hereby deleted.

Sec. 2.4.270. - Landings for stairways.

Section R311.5.4 of the International Residential Code is amended to read as follows:

R311.5.4 Landings for stairways. There shall be a floor or landing at the top and bottom of each stairway.

Exception: A floor or landing is not required at the top of an interior flight of stairs, provided a door does not swing over the stairs.

A flight of stairs shall not have a vertical rise larger than 12 feet (3658 mm) between floor levels or landings.

The width of each landing shall not be less than the width of the stairway served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel.

Sec. 2.4.280. - Handrails.

Section R311.5.6.1 of the International Residential Code is amended to read as follows:

R311.5.6.1 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 32 (813 mm) inches and not more than 38 inches (965 mm).

Sec. 2.4.290. - Handrails continuity.

Section R311.5.6.2 of the International Residential Code is amended to read as follows:

R311.5.6.2 Continuity. Handrails for stairways shall be continuous for the full length of the

flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned to the wall or shall terminate in newel posts or safety terminals at the top of each flight of stairs. Handrails adjacent to a wall shall have a space of not less than 1.25 (32.5mm) inches between the wall and the handrails.

Graspable portions of the handrail may not end up completely continuous from the top riser to the bottom riser. The rail shall return to the wall.

Exceptions:

- (1) Handrails shall be permitted to be interrupted by a newel post at the turn.
- (2) The use of a volute, turnout or starting easing, or starting newel shall be allowed over the lowest tread.

Sec. 2.4.300. - Handrail grip size.

Section R311.5.6.3 of the International Residential Code is amended to read as follows:

R311.5.6.3 Handrail grip size. All required handrails shall be of one of the following types or provide equivalent graspability.

1. Type I. Handrails with a circular cross section shall have an outside diameter of at least 1¼ inches (32 mm) and not greater than 2 inches (51 mm). If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6¼ inches (160 mm) with a maximum cross section of dimension of 2¼ inches (57 mm).
2. Type II. Handrails with a perimeter greater than 6¼ inches (160 mm) shall provide a graspable finger recess area on the outboard side of the profile. The finger recess shall begin within a distance of ¾ inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8 mm) within 7/8 inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least 3/8 inch (9.5 mm) to a level that is not less than 1¾ inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 1¼ inches (32 mm) to a maximum of 2¾ inches (70 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

Sec. 2.4.310. - Guard opening limitations.

Section R312.2 of the International Residential Code is amended to read as follows:

R312.2 Guard opening limitations. Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 4 ½ inches (114.3 mm) or more in diameter. Required guards shall not be constructed with horizontal rails or other ornamental pattern that results in a ladder effect.

Exception:

1. The triangular openings formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such a size that a sphere 6 inches (152 mm) cannot pass through.
2. Openings for required guards on the sides of stair treads shall not allow sphere 4 ½ inches (114.3 mm) to pass through.

Sec. 2.4.320. - Single-and multiple-station smoke alarms.

Section R313.2 of the International Residential Code is amended to read as follows:

R313.2 Location. Single and multiple-station smoke alarms shall be installed in the following locations:

1. Outside of each separate sleeping area in the immediate vicinity of the bedrooms.
2. On each additional story of the dwelling, including basements and cellars but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level.

When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

Sec. 2.4.330. - Thermal barrier.

Section R314.4 of the International Residential Code is amended to read as follows:

R314.4 Thermal barrier. Unless otherwise allowed in Section R314.5 or Section R 314.6, foam plastic shall be separated from the interior of a building by an approved thermal barrier of minimum 0.5 inch (12.7 mm) gypsum wallboard or an approved finish material equivalent to a thermal barrier material that will limit the average temperature rise of the unexposed surface to no more than 250°F (139°C) after 15 minutes of fire exposure complying with the ASTM E 119 standard time temperature curve. The thermal barrier shall be installed in such a manner that it will remain in place for 15 minutes based on NFPA 286 with the acceptance criteria of section R315.4, FM4880, UL 1040 or UL 1715.

Exception: Insulating concrete forms (ICFs) may be used without the thermal barrier described in Section 314.4 when the foam plastic meets the following criteria:

1. The foam plastic has a minimum self ignition temperature of 450 degrees C when tested in accordance with ASTM D 1929;
2. The foam plastic has a flame-spread rating of less than 25 and a smoke-developed rating of less than 450 when tested in accordance with ASTM E 84
3. The foam plastic wall assembly has a minimum two (2) hour fire resistance rating

when tested in accordance with ASTM E 119; and the ICF has a valid ICCES ER number.

Sec. 2.4.340. – Section R318.1 deleted.

Section R318.1 of the International Residential Code is hereby deleted.

Sec. 2.4.350. - Protection against decay.

Section R319.1 of the International Residential Code is amended to read as follows:

R319.1 Location required. Protection from decay shall be provided in the following locations by the use of naturally durable wood or wood that is preservative treated in accordance with AWPAC U1 for the species, product, preservative and end use. Preservatives shall be listed in Section 4 of AWPAC U1.

1. Wood joists or the bottom of a wood structural floor when closer than 18 inches (457 mm) or wood girders when closer than 12 inches (305 mm) to the exposed ground in crawl spaces or unexcavated area located within the periphery of the building foundation.
2. All wood framing members that rest on concrete or masonry exterior foundation walls and are less than 6 inches (152 mm) from the exposed ground.
3. Sills and sleepers on a concrete or masonry slab that is in direct contact with the ground unless separated from such slab by an impervious moisture barrier.
4. The ends of wood girders entering exterior masonry or concrete walls having clearances of less than 0.5 inch (12.7 mm) on tops, sides and ends.
5. Wood siding, sheathing and wall framing on the exterior of a building having a clearance of less than 6 inches (152 mm) from the ground.
6. Wood structural members supporting moisture-permeable floors or roofs that are exposed to the weather, such as concrete or masonry slabs, unless separated from such floors or roofs by an impervious moisture barrier.

Sec. 2.4.360. – Section R319.1.1 deleted.

Section R319.1.1 of the International Residential Code is hereby deleted.

Sec. 2.4.370. – Section R320.1.2 deleted.

Section R320.1.2 of the International Residential Code is hereby deleted.

Sec. 2.4.380. – Section R324 deleted.

Section R324 of the International Residential Code is hereby deleted.

Sec. 2.4.390. - Section R401.4 created.

Section R401.4 of the International Residential Code is amended to read as follows:

R401.4 Soil Tests. In areas likely to have expansive, compressible, shifting or other unknown soil characteristics, the building official shall determine whether to require a soil test and/or analysis to determine the soil's characteristics at a particular location. This test shall be made by an approved testing agency using an approved method. For construction of one and two family dwelling habitable spaces, a soil test/analysis shall be submitted prior to issuance of a building permit in accordance with the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011). Soil analysis and/or testing shall be verified and/or certified by the building permit applicant and the approved testing agency in a form approved by the building official.

Sec. 2.4.400. - Section R403.1.1 created.

Section R403.1.1 of the International Residential Code is amended to read as follows:

R403.1.1. Minimum size. Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). For construction of one and two family dwelling habitable spaces, the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011) shall apply.

The footing width, W, shall be based on the load-bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least 6 inches (152 mm) thick. Footing projections, P, shall be at least 2 inches (51 mm) and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2, and Figures R403.1(2) and R403.1(3).

Sec. 2.4.410. - Section R403.1.3.2 created.

Section R403.1.3.2 of the International Residential Code is amended to read as follows:

R403.1.3.2 Slabs-on-grade with turned-down footings and slabs-on-grade cast monolithically with a footing. For slabs-on-grade with turned-down footings and slabs-on-grade cast monolithically with a footing, construction of one and two family dwelling habitable spaces shall comply with the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011).

Sec. 2.4.420. - Minimum depth.

Section 403.1.4 of the International Residential Code is hereby amended to read as follows:

R403.1.4 Minimum depth. All exterior footings shall be placed at least 24 (610 mm) inches below the undisturbed ground surface. For construction of one and two family dwelling habitable spaces, the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011) shall apply. Where applicable, the depth of the footings shall also conform to Sections R403.1.4.1 through R403.1.4.2.

Sec. 2.4.430. - Frost protection.

Section R403.1.4.1 of the International Residential Code is amended to read as follows:

R403.1.4.1 Frost protection. Section 403.1.4.1 of the International Residential Code is amended to read as follows:

Frost Protection. Except where otherwise protected from frost, foundation walls, piers and other permanent supports of buildings and structures shall be protected from frost by one or more of the following methods:

1. Extended below the frost line specified in Table R301.2.(1), per amended Table footnote "b." and the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011);
2. Constructing in accordance with Section R403.3;
3. Constructing in accordance with ASCE 32; or
4. Erected on solid rock

Exceptions:

1. Protection of freestanding accessory structures with an area of 400 (36.2m²) square feet or less of light-framed construction with an eave-height of 10 feet (3048mm) or less shall not be required.
2. Protection of freestanding accessory structures with an area 400 square feet (36.2m²) or less of other than light-framed construction with an eave-height of 10 feet (3048mm) or less shall not be required.

Footings shall not bear on frozen soil. Frost depth in Wichita is 24 inches.

Sec. 2.4.440 - Section R403.1.8 created.

Section R403.1.8 of the International Residential Code is amended to read as follows:

R403.1.8 Foundations on expansive soils. Foundations and floor slabs for buildings located on expansive soils shall be designed in accordance with Section 1805.8 of the International Building Code or as specified in the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011).

Sec. 2.4.450. - Section R404.1 created.

Section R404.1 of the International Residential Code is amended to read as follows:

R404.1 Concrete and masonry foundation walls. Concrete and masonry foundation walls shall be selected and constructed in accordance with the provisions of Section R404 or in accordance with ACI 318, ACI 332, and NCMATR68-A or ACI 530/ASCE 5/TMS 402 or other approved structural standards. The Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011) may be used to comply with the requirements of this section, but do not preclude the right of the Metropolitan Area Building Code Department to require a footing/foundation to be designed by a Kansas licensed architect or engineer.

Pre-engineered foundation wall systems such as insulated concrete forms (ICF walls) shall be installed to comply with the manufacturer's specifications or with architect or engineer requirements. All specifications or design documents shall be on site for each required inspection.

When ACI 318, ACI 332 or ACI 530/ASCE 5/TMS 402 or the provisions of Section R404 are used to design concrete or masonry foundation walls, project drawings, typical details and specifications are not required to bear the seal of the architect or engineer responsible for design, unless otherwise required by the state law of the jurisdiction having authority.

Foundation walls that meet all of the following shall be considered laterally supported:

1. Full basement floor shall be a minimum 3.5 inches (89 mm) thick concrete slab poured tight against the bottom of the foundation wall.
2. Floor joists and blocking shall be connected to the sill plate at the top of wall by the prescriptive method called out in Table R404.1(1), or; shall be connected with an approved connector with listed capacity meeting Table R404.1(1).
3. Bolt spacing for the sill plate shall be no greater than per Table R404.1(2).
4. Floor shall be blocked perpendicular to the floor joists. Blocking shall be full depth within two joist spaces of the foundation wall, and be flat-blocked with minimum 2-inch by 4-inch (51mm by 102mm) blocking elsewhere.
5. Where foundation walls support unbalanced load on opposite sides of the building, such as a daylight basement, the building aspect ratio, L/W, shall not exceed

the value specified in Table R404.1(3). For such foundation walls, the rim board shall be attached to the sill with a 20 gage metal angle clip at 24 inches (610 mm) on center, with five 8d nails per leg, or an approved connector supplying 230 pounds per linear foot (3.36 kN/m) capacity.

Sec. 2.4.460. - Floor trusses.

Section R502.11.4 of the International Residential Code is amended to read as follows:

Floor Truss design drawings. Floor truss design drawings, prepared in compliance with Section R502.11.1, shall be provided to the building official at the framing inspection. Truss design drawings shall be provided with the shipment of trusses delivered to the job site. Truss design drawings shall include, at a minimum, the information specified below:

1. Slope or depth, span, and spacing.
2. Location of all joints.
3. Required bearing widths.
4. Design loads as applicable:
 - 4.1. Top chord live load (including snow loads);
 - 4.2. Top chord dead load;
 - 4.3. Bottom chord live load;
 - 4.4. Bottom chord dead load;
 - 4.5. Concentrated loads and their points of application; and
 - 4.6. Controlling wind and earthquake loads.
5. Adjustments to lumber and joint connector design values for conditions of use.
6. Each reaction force and direction.
7. Joint connector type and description, e.g., size, thickness or gauge, and the dimensioned location of each joint connector except where symmetrically located relative to the joint interface.
8. Lumber size, species and grade for each member.
9. Connection requirements for:
 - 9.1. Truss-to-truss girder;
 - 9.2. Truss ply-to-ply; and
 - 9.3. Field splices.
10. Calculated deflection ratio and/or maximum description for live and total load.

11. Required permanent truss member bracing location.

Sec. 2.4.470. - General.

Section R506.1 of the International Residential Code is amended to read as follows:

R506.1 General. Concrete slab-on-grade floors shall be a minimum 3.5 inches (89 mm) thick and designed and installed in accordance with the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011).

Sec. 2.4.480. - Section R502.2.2 created.

Section R502.2.2 of the International Residential Code is amended to read as follows:

R502.2.2 Decks. The "City of Wichita Standard for Residential Wood Framed Decks" may be used to design and construct decks to comply with the requirements of this section. Decks which fall outside of the scope of the standard will require design by a Kansas licensed architect or engineer. Where supported by attachment to an exterior wall, decks shall be positively anchored to the primary structure and designed for both vertical and lateral loads as applicable. Such attachment shall not be accomplished by the use of toenails or nails subject to withdrawal. Where positive connection to the primary building structure cannot be verified during inspection, decks shall be self supporting. For decks with cantilevered framing members, connections to exterior walls or other framing members, shall be designed and constructed to resist uplift resulting from the full live load specified in Table R301.5 acting on the cantilevered portion of the deck.

Sec. 2.4.490. – Section R506.2.3 deleted.

Section R506.2.3 of the International Residential Code is hereby deleted.

Sec. 2.4.500. - Wall bracing.

Section R602.10 of the International Residential Code is amended to read as follows:

R602.10 Wall bracing. All exterior walls shall be braced in accordance with this section. In addition, interior braced wall lines shall be provided in accordance with Section R602.10.1.1. For buildings in Seismic Design Categories D0, D1 and D2, walls shall be constructed in accordance with the additional requirements of Sections R602.10.9, R602.10.11, and R602.11.

In addition, the following methods of shear wall bracing are acceptable:

1. Method stated in "Bracing of Wall Sections in Residential Homes Up to 12 Foot Vertical Walls"-City of Wichita" 2007.
2. Method stamped by Kansas Licensed Structural Engineer.

Sec. 2.4.510. - Cement, fiber-cement and glass mat gypsum backers.

Cement, fiber-cement or glass mat gypsum backers in compliance with ASTM C 1288, C 1325 or C 1178 and installed in accordance with manufacturers' recommendations shall be used as backers for wall tile in shower areas and wall panels in shower areas.

Sec. 2.4.520. - Size and Spacing.

Section R703.7.4.1 of the International Residential Code is amended to read as follows:

R703.7.4.1 Size and spacing. Veneer ties, if strand wire, shall not be less in thickness than No. 9 U.S. gage [(0.148 in.) (4 mm)] wire and shall have a hook embedded in the mortar joint, or if sheet metal, shall be not less than No. 26 [(0.0245 in.) (0.62 mm)] U.S. gage by 7/8 inch (22 mm) corrugated. Each tie shall be spaced not more than 16 (406 mm) inches on center horizontally and vertically and shall support not more than 1.96 (0.19 m²) square feet of wall area. When stud spacing is 24 (610 mm) inches on center, ties may be spaced 24 inches (610 mm) on center to match stud spacing (maximum 1.96 (0.19 m²) square feet still required). All ties shall be attached to a stud.

Exception: In Seismic Design Category D0, D1 or D2 or townhouses in Seismic Design Category C or in wind areas of more than 30 pounds per square foot pressure (1.44 kPa), each tie shall support not more than 2 square feet (0.2 m²) of wall area.

Sec. 2.4.530. – Section R801.3 deleted.

Section R801.3 of the International Residential Code is hereby deleted.

Sec. 2.4.540. - Wood trusses.

Section R802.10.1 of the International Residential Code is amended to read as follows:

Roof Truss design drawings. Roof truss design drawings, prepared in conformance with Section R802.10.1, shall be provided to the building official at the framing inspection. Truss design drawings shall include at a minimum, the information specified below.

1. Slope or depth, span and spacing.
2. Location of all joints.
3. Required bearing widths.
4. Design loads as applicable.
 - 4.1. Top chord live load (including snow loads).
 - 4.2. Top chord dead load.
 - 4.3. Bottom chord live load.

- 4.4. Bottom chord dead load.
- 4.5. Concentrated loads and their points of application.
- 4.6. Controlling wind and earthquake loads.
5. Adjustments to lumber and joint connector design values for conditions of use.
6. Each reaction force and direction.
7. Joint connector type and description (e.g., size, thickness or gauge) and the dimensioned location of each joint connector except where symmetrically located relative to the joint interface.
8. Lumber size, species and grade for each member.
9. Connection requirements for:
 - 9.1. Truss to girder-truss.
 - 9.2. Truss ply to ply.
 - 9.3. Field splices.
10. Calculated deflection ratio and/or maximum description for live and total load.
11. Required permanent truss member bracing location.

Sec. 2.4.550. - Attic access.

Section R807.1 of the International Residential Code is amended to read as follows:

Attic access. Buildings with combustible ceiling or roof construction, shall have an attic access opening to attic areas that exceed 120 (11.15 m²) square feet and have a vertical height of 30 inches (762 mm) or more from the top of the ceiling joist to the bottom of the roof rafter.

The rough-framed opening shall not be less than 22 inches by 30 inches (559 mm by 762 mm) and shall be located in a readily accessible location or in an area that maintains a clear unobstructed area 22 inches by 30 inches (559 mm by 762 mm) from the attic access opening to the floor below. A 30-inch (762 mm) minimum unobstructed headroom in the attic space shall be provided at some point above the access opening. See Section M1305.1.3 for access requirements where mechanical equipment is located in attics.

Sec. 2.4.560. - Re-covering versus replacement.

Section R907.3 of the International Residential Code is amended to read as follows:

R907.3 Re-covering versus replacement. New roof coverings shall not be installed without first removing all existing layers of roof coverings where any of the following conditions occur:

1. Where the existing roof or roof covering is water-soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
2. Where the existing roof covering is wood shake, slate, clay, and cement or asbestos-cement tile.
3. Where the existing roof has two or more applications of any type of roof covering.

Exceptions:

1. Complete and separate roofing systems, such as standing-seam metal roof systems, that are designed to transmit the roof loads directly to the building's structural system and that do not rely on existing roofs and roof coverings for support, shall not require the removal of existing roof coverings.
2. Installation of metal panel, metal shingle, and concrete and clay tile roof coverings over existing wood shake roofs shall be permitted when the application is in accordance with Section R907.4.
3. The application of new protective coating over existing spray polyurethane foam roofing systems shall be permitted without tear-off of existing roof coverings.

Sec. 2.4.570. - Vent and insulation clearance.

Section R806.3 of the International Residential Code is amended to read as follows:

Vent and insulation clearance. Where eave or cornice vents are installed, insulation shall not block the free flow of air. A minimum of a 1-inch (25 mm) space shall be provided between the insulation and the roof sheathing and at the location of the vent. The net cross section area of the space shall be equal to or greater than the free area of the eave or cornice vent it serves.

Sec. 2.4.580. - Part IV - Energy Conservation deleted.

Part IV - Energy Conservation of the International Residential Code is deleted.

Sec. 2.4.590. - Part V - Mechanical chapters adopted.

Mechanical chapters 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, and 24 of the International Residential Code are hereby adopted by this Code.

Sec. 2.4.600. - Part VI - Fuel Gas.

Part VI, Fuel Gas, of the International Residential Code is hereby adopted.

Sec. 2.4.610. - Part VII - Plumbing deleted.

Part VII - Plumbing, of the International Residential Code is deleted.

Sec. 2.4.620. - Part VIII - Electrical deleted.

Part VIII - Electrical, of the International Residential Code is deleted.

Sec. 2.4.630. - Section M1305.1.4.1 created.

Section M1305.1.4.1 of the International Residential Code is amended to read as follows:

M1305.1.4.1 Ground Clearance. Equipment and appliances installed at grade level shall be supported on a level concrete slab or other approved material extending above adjoining grade or shall be suspended a minimum of 6 inches (152 mm) above adjoining grade. Supports for heat pumps shall be at least 3 inches and conform to the manufacturer's specifications.

Sec. 2.4.640. - Appliance clearance.

Section M1306.1 of the International Residential Code is amended to read as follows:

M1306.1 Appliance clearance. Appliances shall be installed with the clearances from unprotected combustible materials as indicated on the appliance label and in the manufacturer's installation instructions. Standard Installation Clearances for Unlisted Heat-Producing Appliances shall be in accordance with Table 3-1 as follows:

Table 3-1 shall be created as follows:

TABLE 3-1 - Standard Installation Clearances in Inches for Unlisted Heat-Producing Appliances

See Section 304.0.

RESIDENTIAL-TYPE APPLIANCES		APPLIANCE				
	FUEL	ABOVE TOP OF CASING OR APPLIANCE	FROM TOP AND SIDES OF WARM-AIR BONNET OR PLENUM	FROM FRONT	FROM BACK	FROM SIDES
BOILERS AND WATER HEATERS¹¹						
Steam Boilers – 15psi (103.4 kPa)	Automatic oil or comb. gas-oil	6		24	6	6
Water Boilers -	Automatic Gas	6		18	6	6

In × 25.4 = mm

250°F (121°C) Water Heaters - 200°F (93°C) All water walled or jacketed	Solid	6		24	6	6
FURNACES – CENTRAL OR HEATERS ¹¹						
Electric Central Warm-Air Furnaces	Automatic oil or comb. gas- oil	6 ²	6 ²	24	6	6
Gravity, Upflow, Downflow, Horizontal and Duct Warm Air - 250°F (121°C) max.	Automatic gas	6 ²	6 ²	18	6	6
	Solid	18 ²	18 ²	48	18	18
	Electric	6 ²	6 ²	18	6	6
FURNACES – FLOOR						
For Mounting in Combustible Floors	Automatic oil or comb. gas- oil	36		12	12	12
	Automatic gas	36		12	12	12
HEAT EXCHANGERS						
Steam-15 psi (103.4 kPa) max. Hot Water - 250° (121°C) max.	1	1	1	1	1	1
ROOM HEATERS ⁴						
Circulating Type, Radiant or Other Type	Oil or Solid	36		24	12	12
	Gas	36		24	12	12
	Oil or Solid	36		36	36	36
	Gas	36		36	18	18
	Gas with double metal or ceramic back	36		36	12	18
Fireplace Stove	Solid	48 ⁵		54	48 ⁵	48 ⁵
RADIATORS						
Steam or Hot Water ⁶		36		6	6	6

RANGES -COOKING STOVES					Firing Side	Opp. Side
	Oil	30 ⁷		9	24	18
	Gas	30 ⁷		6	6	6
	Solid Clay-Lined	30 ⁷		24	24	18
	Firepot	30 ⁷		36	36	18
	Electric	30 ⁷		6	6	6
INCINERATORS						
Domestic Types		36 ⁸		48	36	36
COMMERCIAL INDUSTRIAL-TYPE APPLIANCES ANY AND ALL PHYSICAL SIZES EXCEPT AS NOTED ¹¹		APPLIANCE				
	FUEL	ABOVE TOP OF CASING OR APPLIANCE	FROM TOP AND SIDES OF WARM-AIR BONNET OR PLENUM	FROM FRONT	FROM BACK ⁹	FROM SIDES ⁹
BOILERS AND WATER HEATERS						
100 cu. ft. (2.832 m ³) or less	All fuels	18		48	18	18
Steam, any pressure of 50 psi (345 kPa) or less Any size	All fuels	18		48	18	18
UNIT HEATERS						
Floor Mounted or Suspended – any size	Steam or hot water	1			1	1
	Oil or comb. gas-oil	6		24	18	18
Suspended – 100 cu. ft. (2.832 m ³) or less	Gas	6		18	18	18
Suspended – 100 cu. ft. (2.832 m ³)	All fuels	18		48	18	18
Floor Mounted – any size	All fuels	18		48	18	18
RANGES – RESTAURANT –TYPE						
Floor Mounted	All fuels	18		48	18	18
OTHER LOW-HEAT INDUSTRIAL APPLIANCES						
Floor Mounted or Suspended	All fuels	18	18	48	18	18

Boilers and Water Heaters						
Over 50 psi (345 KPa)	All fuels	48		96	36	36
Over 100 cu. ft. (2832 m ³)						
OTHER MEDIUM-HEAT INDUSTRIAL APPLIANCES						
All sizes	All fuels	48	36	96	36	36
INCINERATORS						
All sizes		48		96	36	36
HIGH-HEAT INDUSTRIAL APPLIANCES						
All sizes	All fuels	180		360	120	120

Footnotes for Table 3-1

1. The minimum dimension shall be that necessary for servicing the appliance, including access for cleaning and normal care, tube removal, etc.
2. For a listed oil, combination gas-oil, gas, or electric furnace, this dimension may be two (2) inches (51 mm) if the furnace limit control cannot be set higher than 250°F (121°C), or this dimension may be one (1) inch (25.4 mm) if the limit control cannot be set higher than 200°F (93°C), or the appliance shall be marked to indicate that the outlet air temperature cannot exceed 200°F (93°C).
3. The dimension may be six (6) inches (152 mm) for an automatically stoker-fired forced-warm-air furnace equipped with 250°F (121°C) limit control and with barometric draft control operated by draft intensity and permanently set to limit draft to a maximum intensity of 0.13 inch (3.3mm) water gauge.
4. Unlisted appliances shall be installed on noncombustible floors and may be installed on protected combustible floors. Heating appliances approved for installation on protected combustible flooring shall be so constructed that flame and hot gases do not come in contact with the appliance base. Protection for combustible floors shall consist of four (4) inch (102 mm) hollow masonry covered with sheet metal at least 0.021 inch (0.53 mm) thick (No. 24 manufacturer's standard gauge). Masonry shall be permanently fastened in place in an approved manner with the ends unsealed and joints matched so as to provide free circulation of air through the masonry. Floor protection shall extend twelve (12) inches (305 mm) at the sides and rear of the appliance, except that at least eighteen (18) inches (457 mm) shall be required on the appliance-opening side or sides measured horizontally from the edges of the opening.
5. The forty-eight (48) inch (1219 mm) clearance may be reduced to 36 inches (914 mm) when protection equivalent to that provided by (a)—(g) of Table 3-2 is applied to the combustible construction.

6. Steam pipes and hot water heating pipes shall be installed with a clearance of at least one (1) inch (25 mm) to all combustible construction or material, except that at the points where pipes carrying steam at not over fifteen (15) pounds gauge pressure (103.4 kPa) or hot water that emerge from a floor, wall, or ceiling, the clearance at the opening through the finish floorboards or wall-ceiling boards may be reduced to not less than one-half (½) inch (12.7 mm). Each such opening shall be covered with a plate of noncombustible material. Such pipes passing through stock shelving shall be covered with not less than one (1) inch (25.4 mm) of approved insulation. Wood boxes or casing enclosing uninsulated steam or hot water heating pipes or wooden covers to recesses in walls in which such uninsulated pipes are placed shall be lined with metal or insulating millboard. Where the temperature of the boiler piping does not exceed 160°F (71°C), the provisions of this table shall not apply. Coverings or insulation used on steam or hot water pipes shall be of material suitable for the operating temperature of the system. The insulation or jackets shall be of noncombustible materials, or the insulation or jackets and lap-seal adhesives shall be tested as a composite product. Such composite product shall have a flame-spread rating of not more than twenty-five (25) and a smoke-developed rating not to exceed fifty (50) when tested in accordance with UBC Standard No. 42-1.

7. To combustible material or metal cabinets. If the underside of such combustible material or metal cabinet is protected with insulating millboard at least one-quarter (¼) inch (6.4 mm) thick covered with sheet metal of not less than 0.013 inch (0.33 mm) (No. 28 gauge), the distance may be reduced to twenty-four (24) inches (610 mm).

8. Clearance above charging door shall be at least forty-eight (48) inches (1.219 m).

9. If the appliance is encased in brick, the eighteen (18) inch (457 mm) clearance above and at the sides and rear may be reduced to twelve (12) inches (305 mm).

10. If the appliance is encased in brick, the clearance above may be reduced to thirty-six (36) inches (914 mm) and at the sides and rear may be reduced to eighteen (18) inches (457 mm).

11. A central heating boiler or furnace shall be installed in accordance with the manufacturer's instructions and shall be installed on a floor of noncombustible construction with noncombustible flooring and surface finish and with no combustible material against the underside thereof, or on fire-resistive slabs or arches having no combustible material against the underside thereof.

Exception No. 1: Appliances listed for installation on a combustible floor.

Exception No. 2: Installation on a floor protected in an approved manner. [NFPA 54:9.3.3]

Sec. 2.4.650. - Vented Floor Furnaces.

Section M 1408.3 of the International Residential Code is amended to read as follows:

Vented Floor Furnaces. Location of floor furnaces shall conform to the following requirements:

1. Floor registers of floor furnaces shall be installed not less than 6 inches (152 mm) from a wall.
2. Wall registers of floor furnaces shall be installed not less than 6 inches (152 mm) from the adjoining wall at inside corners.
3. The furnace register shall be located not less than 12 inches (305 mm) from doors in any position, draperies or similar combustible objects.
4. The furnace register shall be located at least 5 feet (1524 mm) below any projecting combustible materials.
5. The floor furnace burner assembly shall not project into an occupied under-floor area.
6. The floor furnace shall not be installed in concrete floor construction built on grade.
7. The floor furnace shall not be installed where a door can swing within 12 inches (305 mm) of the grille opening.
8. Replacement of floor furnace. Replacement of floor furnaces with the same or lesser B.T.U. rating may be installed in the same location with prior approval by the building official.

Sec. 2.4.660. - Vented Wall Furnaces.

Section M 1409.3 of the International Residential Code is amended to read as follows:

Installation. Vented wall furnace installations shall conform to the following requirements:

1. Required wall thicknesses shall be in accordance with the manufacturer's installation instructions.
2. Ducts shall not be attached to a wall furnace. Casing extensions or boots shall be installed only when listed as part of a listed and labeled appliance.
3. A manual shut off valve shall be installed ahead of all controls.
4. The wall cavity directly above the wall furnace shall be ventilated by a 26 gage (0.016 inch) (0.4 mm) metal thimble into attic; or, an eight (8) inch (203 mm) by fourteen (14) (356 mm) inch metal grill a minimum of twelve (12) inches (305 mm) below the ceiling.

Sec. 2.4.670. - Section M1411.3.1 created.

Section M1411.3.1 of the International Residential Code is amended to read as follows:

M1411.3.1 Auxiliary and secondary drain systems. In addition to the requirements of Section M1411.3, a secondary drain or auxiliary drain pan shall be required for each cooling or evaporator coil when located above finished ceilings or furred spaces. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than 1/8 vertical in 12 units horizontal (1-percent slope). Drain piping shall be a minimum of 3/4-inch (19 mm) nominal pipe size. One of the following methods shall be used:

1. An auxiliary drain pan with a separate drain shall be installed under the coils on which condensation will occur. The auxiliary pan drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. The pan shall have a minimum depth of 1.5 inches (38 mm), shall not be less than 3 inches (76 mm) larger than the unit or the coil dimensions in width and length and shall be constructed of corrosion-resistant material. Metallic pans shall have a minimum thickness of not less than 0.0276-inch (0.7 mm) galvanized sheet metal. Nonmetallic pans shall have a minimum thickness of not less than 0.0625 inch (1.6 mm).
2. A separate overflow drain line shall be connected to the drain pan provided with the equipment. This overflow drain shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. The overflow drain line shall connect to the drain pan at a higher level than the primary drain connection.
3. An auxiliary drain pan without a separate drain line shall be installed under the coils on which condensate will occur. This pan shall be equipped with a water level detection device conforming to UL 508 that will shut off the equipment served prior to overflow of the pan. The auxiliary drain pan shall be constructed in accordance with Item 1 of this section.
4. A water level detection device conforming to UL 508 shall be provided that will shut off the equipment served in the event that the primary drain is blocked. The device shall be installed in the primary drain line, the overflow drain line or the equipment-supplied drain pan, located at a point higher than the primary drain line connection and below the overflow rim of such pan.

Sec. 2.4.680. - Section M1411.4 created.

Section M1411.4 of the International Residential Code is amended to read as follows:

M1411.4 Auxiliary drain pan. Category IV condensing appliances shall have an auxiliary drain pan when located above finished ceilings or furred spaces. These pans shall be installed in accordance with the applicable provisions of Section M1411.3.1.

Exception: Fuel-fired appliances that automatically shut down operation in the event of a stoppage in the condensate drainage system.

Sec. 2.4.690. - Outdoor Discharge deleted.

Section M 1501.1 of the International Residential Code shall be deleted.

Sec. 2.4.700. - Vertical Clearance.

Domestic cooking appliances either built-in or freestanding shall have a vertical clearance above the cooking top of not less than thirty (30) inches (760 mm) to combustible material or metal cabinets. A minimum clearance of twenty-four (24) inches (610 mm) is permitted when one of the following is installed:

1. The underside of the combustible material or metal cabinet above the cooking top is protected with not less than ¼ inch (6.4 mm) insulating millboard covered with sheet metal not less than 0.0122 inch (0.3 mm) thick.
2. A metal ventilating hood of sheet metal not less than 0.0122 inch (0.3 mm) thick is installed above the cooking top with a clearance of not less than ¼ inch (6.4 mm) between the hood and the underside of the combustible material or metal cabinet, and the hood is at least as wide as the appliance and is centered over the appliance.
3. A listed cooking appliance or microwave oven is installed over a listed cooking appliance and will conform to the terms of the upper appliance's listing and the manufacturers' instructions.

Sec. 2.4.710. - Overhead Exhaust Hoods.

Section M 1505.1 of the International Residential Code is amended to read as follows:

M 1505.1 General. Domestic open-top broiler units shall be provided with a metal exhaust hood, not less than 28 gage, with ¼ inch (6 mm) between the hood and the underside of combustible material or cabinets. A clearance of at least thirty (30) inches (760 mm) shall be maintained between the cooking surface and the combustible material or cabinet. The hood shall be at least as wide as the broiler unit and shall extend over the entire unit. Such exhaust hood shall discharge to the outdoors and shall be equipped with a backdraft damper or other means to control infiltration/exfiltration when not in operation. Broiler units incorporating an integral exhaust system, and listed and labeled for use without an exhaust hood, need not be provided with an exhaust hood.

Sec. 2.4.720. - Recirculation of air.

Section M 1507.2 of the International Residential Code is amended to read as follows:

M1506.2 Recirculation of air. Exhaust air from bathrooms and toilet rooms shall not be recirculated within a residence or to another dwelling unit and shall be exhausted directly to the outdoors. Exhaust air from bathrooms and toilet rooms may discharge into an attic when the following are met:

1. The duct(s) conveying exhaust into the attic shall terminate a minimum of 36 inches above the top of the ceiling framing members, and shall not discharge upon any building element.
2. Attics into which bath and/or toilet room exhausts are discharged must be properly ventilated, in accordance with Section R806, and shall not discharge into an unvented attic assembly.
3. The exhaust duct(s) shall terminate above the top of the attic insulation with a "goose-neck" installed to prevent infiltration of insulating material into the duct.

Exhaust duct(s) run above the insulation inside of attics, with a developed length greater than 5 feet, shall be insulated.

Sec. 2.4.730. - Ventilation Rate.

Table M 1507.3 of the International Residential Code is amended to read as follows:

TABLE M1507.3

MINIMUM REQUIRED EXHAUST RATES FOR ONE- AND TWO-FAMILY DWELLINGS

Area to be ventilated	Ventilation rates
Kitchens	100 cfm intermittent or 25 cfm continuous
Bathrooms—Toilet rooms	Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous

For SI: 1 cubic foot per minute - 0.0004719 m³/s.

Sec. 2.4.660. - Duct insulation materials.

Section M 1601.2.1 of the International Residential Code is amended to read as follows:

Duct insulation materials. Duct insulation materials shall conform to the following requirements:

1. Duct coverings and linings, including adhesives where used, shall have a flame spread index not higher than 25, and a smoke-developed index not over 50 when tested in accordance with ASTM E 84, using the specimen preparation and mounting procedures of ASTM E 2231.
2. Duct coverings and linings shall not flame, glow, smolder or smoke when tested in accordance with ASTM C 411 at the temperature to which they are exposed in service. The test temperature shall not fall below 250°F (121°C).
3. External duct insulation and factory-insulated flexible ducts shall be legibly printed or identified at intervals not longer than 36 inches (914 mm) with the name of the manufacturer; the thermal resistance *R*-value at the specified installed thickness; and the flame spread and smoke-developed indexes of the composite materials. All duct insulation product *R*-values shall be based on insulation only, excluding air films, vapor retarders or other duct components, and shall be based on tested *C*-values at 75°F (24°C) mean temperature at the installed thickness, in accordance with recognized industry procedures. The installed thickness of duct insulation used to determine its *R*-value shall be determined as follows:
 - 3.1. For duct board, duct liner and factory-made rigid ducts not normally subjected to compression, the nominal insulation thickness shall be used.
 - 3.2. For duct wrap, the installed thickness shall be assumed to be 75 percent (25-percent compression) of nominal thickness.
 - 3.3. For factory-made flexible air ducts, The installed thickness shall be determined by dividing the difference between the actual outside diameter and nominal inside

diameter by two.

3.4. Duct insulation shall conform to the requirements of the Table of R-Values of Duct Insulation.

R-Values of Duct Insulation

Location of Duct*	R-Value
Inside of conditioned space	None
Inside of building envelope but outside of conditioned space	R-4.2
Outside of building envelope	R-6

* In addition, insulation shall be applied to all ductwork located in an environment that may result in the formation of condensation when operating within the normal design limits of the system, including exhaust and outside air intake ductwork.

Sec. 2.4.740. - Joints and Seams.

Section M 1601.3.1 of the International Residential Code is amended to read as follows:

Joints and seams. All joints and seams of that portion of supply and/or return ductwork installed outside of the conditioned envelope shall be made substantially airtight by means of tapes, mastics, gasketing and other approved closure systems, commercially available and specially designed for sealing. "Duct Tape" shall not be an acceptable method. Closure systems used with rigid fibrous glass ducts shall comply with UL 181A and shall be marked "181A-P" for pressure-sensitive tape, "181 A-M" for mastic or "181 A-H" for heat-sensitive tape. Closure systems used with flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked "181B-FX" for pressure-sensitive tape or "181B-M" for mastic. Duct connections to flanges of air distribution system equipment or sheet metal fittings shall be mechanically fastened. Mechanical fasteners for use with flexible nonmetallic air ducts shall comply with UL 181B and shall be marked 181B-C. Crimp joints for round metal ducts shall have a contact lap of at least 1½ inches (38 mm) and shall be mechanically fastened by means of at least three sheet-metal screws or rivets equally spaced around the joint.

Exception: Low pressure systems.

Sec. 2.4.750. - Return Air.

Section M 1602.1 of the International Residential Code is amended to read as follows:

Return air. Return air shall be taken from inside the dwelling. Dilution of return air with outdoor air shall be permitted. In new dwellings and additions to existing one and two family dwellings where a new separate heating and/or cooling system is being added to serve, but not necessarily limited to only serve the new addition, an outside air duct shall be connected to the main return air duct, prior to the filter, of each heating and/or cooling system for the habitable space served. Duct size shall be based on the square footage of habitable space served as follows:

1. 1500 sq. ft. or less: 4 inch diameter or 12.6 square inches.
2. 1501 sq. ft. to 2000 sq. ft. 5 inch diameter or 19.6 square inches.
3. 2001 sq. ft. and larger 6 inch diameter or 28.3 square inches.

All areas listed exclude finished basement area. The outside air duct shall be provided with a 1/4" wire mesh inlet screen. The outside air duct shall not draw air from contaminated sources.

Sec. 2.4.760. - Combustion Air.

Section M 1701.4 of the International Residential Code is amended to read as follows:

M1701.4 Prohibited sources. Combustion air ducts and openings shall not connect appliance enclosures with space in which the operation of a fan may adversely affect the flow of combustion air. Combustion air shall not be obtained from an area in which flammable vapors present a hazard. Fuel-fired appliances shall not obtain combustion air from any of the following rooms or spaces:

1. Sleeping rooms.
2. Bathrooms.
3. Toilet rooms.

Exception: The following appliances shall be permitted to obtain combustion air from sleeping rooms, bathrooms and toilet rooms:

1. Solid fuel-fired appliances provided that the room is not a confined space and the building is not of unusually tight construction.
2. Replacement of fuel-fired appliances installed in toilet rooms if approved by the building official.

Sec. 2.4.770. - Water heaters used for space heating.

Water heaters shall be regulated by Article 3 of this Code. Section M2004 of the International Residential Code is deleted in its entirety.

Sec. 2.4.780. - Water heaters.

Water heaters shall be regulated by Article 3 of this Code. Section M2005 of the International Residential Code is deleted in its entirety.

Sec. 2.4.790. - Fuel gas (application).

Section G2401.1 (101.2) of the International Residential Code is amended to read as follows:

G2401.1 (101.2) Application. This chapter covers fuel-gas utilization appliances and related

accessories, venting systems and combustion air configurations most commonly encountered in the construction of one- and two-family dwellings and structures regulated by this Code. Requirements for gas appliances and related accessories shall include installation, combustion and ventilation air and venting. Fuel gas piping, systems, and connections for buildings governed by the International Residential Code, shall be regulated by Article 3 of this Code. The omission from this chapter of any material or method of installation provided for in the International Fuel Gas Code shall not be construed as prohibiting the use of such material or method of installation. Fuel-gas piping systems, fuel-gas appliances and related accessories, venting systems and combustion air configurations not specifically covered in these chapters shall comply with the applicable provisions of the International Fuel Gas Code.

Gaseous hydrogen systems shall be regulated by Chapter 7 of the International Fuel Gas Code.

This chapter shall not apply to the following:

1. Liquefied natural gas (LNG) installations.
2. Temporary LP-gas piping for buildings under construction or renovation that is not to become part of the permanent piping system.
3. Except as provided in Section G2412.1.1, gas piping, meters, gas pressure regulators, and other appurtenances used by the serving gas supplier in the distribution of gas, other than undiluted LP-gas.
4. Portable LP-gas equipment of all types that is not connected to a fixed fuel piping system.
5. Portable fuel cell appliances that are neither connected to a fixed piping system nor interconnected to a power grid.
6. Installation of hydrogen gas, LP-gas and compressed natural gas (CNG) systems on vehicles.

Sec. 2.4.800. - Section G2404.10 (307.5) created.

Section G2404.10 (307.5) of the International Residential Code is amended to read as follows:

G2404.10 (307.5) Auxiliary drain pan. Category IV condensing appliances shall have an auxiliary drain pan when located above finished ceilings or furred spaces. These pans shall be installed in accordance with the applicable provisions of Section M1411.3.1 as amended in Section 2.4.590 of this Code.

Exception: An auxiliary drain pan shall not be required for appliances that automatically shut down operation in the event of a stoppage in the condensate drainage system.

Sec. 2.4.810. - Appliance location.

Section G 2406.2 (303.3) of the International Residential Code is amended to read as follows:

G2406.2 (303.3) Prohibited locations. Appliances shall not be located in or obtain combustion air from sleeping rooms, bathrooms, toilet rooms, storage closets or surgical rooms, or in a space that opens into such rooms or spaces, except where the installation complies with one of the following:

1. The appliance is a direct-vent appliance installed in accordance with the conditions of the listing and the manufacturer's instructions.
2. Vented room heaters, wall furnaces, vented decorative appliances, vented gas fireplaces, vented gas fireplace heaters and decorative appliances for installation in vented solid fuel-burning fireplaces are installed in rooms that meet the required volume criteria of Section G2407.5.
3. A single wall-mounted unvented room heater is installed in a bathroom and such unvented room heater is equipped as specified in Section G2445.6 and has an input rating not greater than 6,000 Btu/h (1.76 kW). The bathroom shall meet the required volume criteria of Section G2407.5.
4. A single wall-mounted unvented room heater is installed in a bedroom and such unvented room heater is equipped as specified in Section G2445.6 and has an input rating not greater than 10,000 Btu/h (2.93 kW). The bedroom shall meet the required volume criteria of Section G2407.5.
5. The appliance is installed in a room or space that opens only into a bedroom or bathroom, and such room or space is used for no other purpose and is provided with a solid weather-stripped door equipped with an approved self-closing device. All combustion air shall be taken directly from the outdoors in accordance with Section G2407.6 or other approved areas.
6. Replacement of fuel fired appliances installed in toilet rooms if approved by the building official.

Sec. 2.4.820. - Section G2408 (305.7) created.

Section G2408.4 (305.7) of the International Residential Code is amended to read as follows:

G2408.4 (305.7) Clearances from grade. The placement of appliances in relation to ground level shall be governed by Section 2.4.550 of this Code.

Sec. 2.4.830. - Section G2410 (309) created.

Section G2410 (309) of the International Residential Code is amended to read as follows:

Section G2410 (309) Electrical shall be regulated by Article 4 of this Code.

Sec. 2.4.840. - Section G2410 (309.2) created.

Section G2410.2 (309.2) of the International Residential Code is amended to read as follows:

G2410.2 (309.2) Connections. Electrical connections between gas appliances and the

building wiring, including the grounding of the appliances, shall conform to Article 4 of this Code.

Sec. 2.4.850. - Section G2411 (310) created.

Section G2411 (310) of the International Residential Code is amended to read as follows:

Section G2411 (310) Electrical bonding shall be regulated by Article 4 of this Code.

Sec. 2.4.860. - Sections of Chapter 24 (regulating gas piping) amended.

The following sections of Chapter 24 shall each be amended to read as follows:

Sections G2412 (401), G2413 (402), G2414 (403), G2415 (404), G2416 (405), G2417 (406), G2418 (407), G2419 (408), G2420 (409), G2421 (410), G2422 (411), G2423 (413) and G2424 (415) of the International Residential Code shall be regulated under Article 3 of this Code.

Sec. 2.4.870. - Section G 2426.4 (502.4) deleted.

Section G 2426.4 (502.4) of the International Residential Code is deleted.

Sec. 2.4.880. - Venting.

Section G 2436.2 (608.2) of the International Residential Code is amended to read as follows:

G2436.2 (608.2) Venting. Vented wall furnaces shall be vented in accordance with Section G2427. The wall cavity directly above the wall furnace shall be ventilated by a 26 gage (0.016 inch) (0.4 mm) metal thimble into attic; or, an eight (8) (203 mm) inch by fourteen (14) (356 mm) inch metal grill a minimum of twelve (12) (305 mm) inches below the ceiling.

Sec. 2.4.890. - Floor Furnaces.

Section G 2437.1 (609.1) of the International Residential Code is amended to read as follows:

General. Floor furnaces shall be tested in accordance with ANSI Z21.86/CSA 2.32 and shall be installed in accordance with the manufacturer's installation instructions. Replacement of floor furnaces with the same or lesser B.T.U. rating may be installed in the same location with prior approval by the building official.

Sec. 2.4.900. - Section G2448 (624) created.

Section G2448 (624) of the International Residential Code is amended to read as follows:

Section G2448 (624) Water Heaters of the International Residential Code is deleted and water heaters shall be regulated under Article 3 of this Code.

Article 2, Section 5 - PARKING LOT STRIPING STANDARDS AND ENFORCEMENT

Article 2, Section 5 only applies to the jurisdiction of the City of Wichita.

Sec. 2.5.010. - Parking lot striping defined.

Parking lot striping, within the meaning of this section, is the use of any material on the lot surface to install, alter, repair or modify the layout and arrangement of parking stalls within a parking lot. Parking lot striping also includes any work done that alters signage or other aspect of existing accessible parking to be in violation of statute, ordinance or code requirement. The regulations of this section apply to any parking lot, whether on public or private property, if the parking lot is available for use by, or rent to, the general public.

Sec. 2.5.020. - Responsibilities.

The general contractor for property under permitted new construction, and the owner of all other property, including existing structures, shall be responsible for all parking lot striping work done on the property, whether or not such work is done directly by him or by a subcontractor or agent, and shall be responsible for any violations of this Code created by such work. All parking lot striping work done on or after July 1, 2008 that simply refurbishes existing work, without any modification of existing parking surface or parking space format, which format was in compliance with Americans with Disabilities Act Accessibility Guidelines (ADAAG) standards when originally installed, may be maintained in that configuration. For any new construction, or any existing parking lot that is not in current compliance with ADAAG specifications, the parking lot striping work must be designed and installed in conformance with the "Universal Parking Design" standards of Appendix Section A4.6.3 of the Americans with Disabilities Act Accessibility Guidelines, as amended, and any additional requirements created in City Code.

Sec. 2.5.030. - Remediation and civil enforcement.

Any responsible person may file a complaint of new work not conforming to ADAAG standards with the City's or County's ADA Coordinator, as applicable. The ADA Coordinator shall investigate the complaint, and may present the complaint against any responsible party investigated to the Director of the MABCD. Upon receipt of a complaint from the ADA Coordinator, the Director of the MABCD shall issue the responsible person a notice to appear pursuant to Section 2.5.040 of this Code and Article 1.3 of this Code. Alternatively, the ADA Coordinator may, in his or her discretion, enter into a remediation agreement with the responsible person that will cure the defects noted at the expense of the responsible party, make arrangements for an inspection to assure compliance at the expense of the responsible party, and will further require the responsible party to complete an educational program, all as administered by the ADA Coordinator or his or her agent. Should the responsible party fail to adhere to the remediation agreement, the violation may be turned over for notice of violation under Section 2.5.040 of this Code and prosecution under Article 1.3 of this Code, without regard to any remediation action previously taken.

Sec. 2.5.040. - Service of notice of violations upon persons responsible therefore; when notice to become an order.

Whenever the Director of the MABCD determines that there has been a violation of any provision of this section, he or she shall give notice to appear before the appropriate court to the person or persons responsible therefore as hereinafter provided. Such notice shall:

- (a) Be in writing;
- (b) Particularize the violations alleged to exist or to have been committed;
- (c) Provide a reasonable time for the correction of the violation particularized;
- (d) Be addressed to and served upon the owner, the operator, the occupant of the building or the responsible general contractor, or to any or all such persons having responsibility for the property; provided that such notice shall be deemed to be properly served on a person designated if a copy thereof is served upon him personally or if a copy thereof is sent by certified mail to his last known address. A general contractor may be served at the address provided on the most recent license application. Such a violation notice shall be prosecuted as a misdemeanor pursuant to Article 1.3 of this Code.

Article 2, Section 6. - RECOVERY OF PROPERTY LIENS FROM FIRE INSURANCE PROCEEDS

Sec. 2.6.010. - Scope and application.

The city is hereby authorized to utilize the procedures established by K.S.A. 40-3901 et seq., and amendments thereto, and for Sedgwick County, K.S.A. 40-3903 and amendments thereto, whereby no insurance company shall pay a claim of a named insured for loss or damage to any building or other structure located within the city or county, arising out of any fire, explosion or windstorm, where the amount recoverable for the loss or damage to the building or other structure under all policies is in excess of seventy-five percent of the face value of the policy covering such building or other insured structure, unless there is compliance with the procedures set out in this section.

Sec. 2.6.020. - Lien created.

The governing bodies of the city and county hereby create a lien in favor of the city or county, within the jurisdiction of each government entity, on the proceeds of any insurance policy based upon a covered claim payment made for damage or loss to a building or other structure located within the city or county, caused by or arising out of any fire, explosion or windstorm, where the amount recoverable for all the loss or damage to the building or other structure under all policies is in excess of seventy-five percent of the face value of the policy(s) covering such building or other insured structure. The lien arises upon any unpaid tax, special ad valorem levy, or any other charge imposed upon real property, whether or not evidenced by written instrument, or such tax, levy, assessment, expense or other charge that has remained undischarged for at least

one year prior to the filing of a proof of loss.

Sec. 2.6.030. - Same—Encumbrances.

Prior to final settlement on any claim covered by Section 2.6.020 of this Code, the insurer or insurers shall contact the Office of the County Treasurer of Sedgwick County, Kansas, to determine whether any such encumbrances are presently in existence. If the same are found to exist, the insurer or insurers shall execute and transmit in an amount equal to that owing under the encumbrances a draft payable to the County Treasurer of Sedgwick County, Kansas.

Sec. 2.6.040. - Same—Pro rata basis.

Such transfer of proceeds shall be on a pro rata basis by all insurance companies insuring the building or other structure.

Sec. 2.6.050. - Procedure.

(a) When final settlement on a covered claim has been agreed to or arrived at between the named insured or insureds and the company or companies, and the final settlement exceeds seventy-five percent of the face value of the policy covering any building or other insured structure, and when all amounts due the holder of a first real estate mortgage against the building or other structure, pursuant to the terms of the policy and endorsements thereto, shall have been paid, the insurance company or companies shall execute a draft payable to the Director of Finance of the city or county in an amount equal to the sum of fifteen percent of the covered claim payment, unless the Director of the MABCD has issued a certificate to the insurance company or companies that the insured has removed the damaged building or other structure, as well as all associated debris, or repaired, rebuilt, or otherwise made the premises safe and secure.

(b) Such transfer of funds shall be on a pro rata basis by all companies insuring the building or other structure. Policy proceeds remaining after the transfer to the city or county shall be disbursed in accordance with the policy terms.

(c) Upon the transfer of funds as required by subsection (a) of this section, the insurance company shall provide the city or county with the name and address of the named insured or insureds; the total insurance coverage applicable to said building or structure, and the amount of the final settlement agreed to or arrived at between the insurance company or companies and the insured or insureds, whereupon the Director of the MABCD shall contact the named insured or insureds, by registered mail, notifying them that said insurance proceeds have been received by the city or county and apprise them of the procedures to be followed under this section.

Sec. 2.6.060. - Fund created—Deposit of moneys.

The Director of Finance for the city or county is authorized and shall create a fund to be known as the "fire insurance proceeds fund." All moneys received by the Director of Finance as provided for by this section shall be placed in said fund and deposited in an interest-bearing account.

Sec. 2.6.070. - Director of the MABCD —Investigation, removal of structure.

- (a) Upon receipt of moneys as provided for by this Section, the Director of Finance for the city or county shall immediately notify the Director of the MABCD of said receipt, and transmit all documentation received from the insurance company or companies to him or her.
- (b) Within twenty days of the receipt of said monies, the Director of the MABCD shall determine, after prior investigation, whether the city or county shall instigate proceedings under the provisions of K.S.A. 12-1750 et. seq., or for the county under the provisions of Sedgwick County Code Sec. 19-41 et. seq., and amendments thereto.
- (c) Prior to the expiration of the twenty days established by subsection (b) of this section, the Director of the MABCD shall notify the Director of Finance of the city or county whether he or she intends to initiate proceedings under K.S.A. 12-1750 et seq., or Sedgwick County Code Sec. 19-41 et. seq., and amendments thereto.
- (d) If the Director of the MABCD has determined that proceedings under K.S.A. 12-1750 et. seq., or Sec. 19-41, et. seq., and amendments thereto, shall be initiated, he or she will do so immediately but no later than thirty days after receipt of the moneys by the Director of Finance of the city or county.
- (e) Upon notification of the Director of Finance of the city or county by the Director of the MABCD that no proceedings shall be initiated under K.S.A. 12-1750 et. seq., or Sec. 19-41 et. seq., and amendments thereto, the Director of Finance of the city or county shall return all such moneys received, plus accrued interest, to the insured or insureds as identified in the communication from the insurance company or companies. Such return shall be accomplished within thirty days of the receipt of the moneys from the insurance company or companies.

Sec. 2.6.080. - Removal of structure—Excess moneys.

If the Director of the MABCD has proceeded under the provisions of K.S.A. 12-1750 et. seq., or Sec. 19-41 et. seq. and amendments thereto, all moneys in excess of that which is ultimately necessary to comply with the provisions for the removal of the building or structure, less salvage value, if any, shall be paid to the insured.

Sec. 2.6.090. - Same—Disposition of funds.

If the Director of the MABCD, with regard to a building or other structure damaged by fire, explosion or windstorm, determines that it is necessary to act under K.S.A. 12-1756 or Sec. 19-41, et. seq., and amendments thereto, any proceeds received by the Director of Finance of the city or county under the authority of Section 2.6.050(a) of this Code relating to that building or other structure shall be used to reimburse the City of Wichita or Sedgwick County for any expenses incurred by the city or county in proceeding under K.S.A. 12-1756, or Sec. 19-41 et. seq. and amendments thereto. The Director of the MABCD shall be responsible for notifying the Director of Finance of the city or county the amount of these expenses incurred by the city or county. Upon reimbursement from the insurance proceeds, the Director of Finance of the city or county shall immediately effect the release of the lien resulting therefrom. Should the expenses

incurred by the city or county exceed the insurance proceeds paid over to the Director of Finance of the city or county under Section 2.6.050(a) of this Code, he or she shall publish a new lien as authorized by K.S.A. 12-1756, or Sec. 19-41, et. seq. and amendments thereto, in an amount equal to such excess expenses incurred.

Sec. 2.6.100. - Effect upon insurance policies.

This section shall not make the city or county a party to any insurance contract, nor is the insurer liable to any party for any amount in excess of the proceeds otherwise payable under its insurance policy.

Sec. 2.6.110. - Insurers—Liability.

Insurers complying with this section or attempting in good faith to comply with this section shall be immune from civil and criminal liability and such action shall not be deemed in violation of K.S.A. 40-2404 and any amendments thereto, including withholding payment of any insurance proceeds pursuant to this section, or releasing or disclosing any information pursuant to this section.

Article 2, Section 7. - CONSTRUCTION STANDARDS

Sec. 2.7.010. – Agreement to use adjoining property.

No person shall use a wall or any part of a building on adjoining property or build, remove or underpin any party wall without having first entered into a written agreement with the owner of the adjoining property. Such party agreement shall be properly recorded with the register of deeds and the building official shall be advised that such record has been duly made and recorded.

**Article 2, Section 8. – TENTS, GRANDSTANDS AND AIR-SUPPORTED
STRUCTURES USED FOR PLACES OF ASSEMBLY**

Sec. 2.8.010. – Standards adopted.

Article 32 of the Uniform Fire Code, providing standards for tents and air supported structures, as adopted by Section 15.01.010 of the Code of the City of Wichita, is by reference incorporated in and by this publication made part of this Code as fully as though set out at length in this section, and is adopted together with remaining existing ordinances contained in this Code as Article 2 of this Code.

ARTICLE 3 – UNIFORM PLUMBING CODE

Article 3, Section A – BOARD OF APPEALS OF PLUMBERS AND GAS FITTERS

Sec. 3.A.010 - Board of Appeals – Created, Composition

There is authorized a board of plumbing and gas fitters appeals which shall consist of the Director of the Metropolitan Area Building and Construction Department ("MABCD"), or the duly authorized representative, who shall serve as the secretary of the board, and seven other members, as follows:

- (1) One mechanical contractor (appointed by the City);
- (2) One master plumber (appointed by the County);
- (3) One master lawn sprinkler (appointed by the City);
- (4) One journeyman plumber (appointed by the County);
- (5) One mechanical engineer (appointed by the County);
- (6) One master plumber contractor (appointed by the City); and
- (7) One public at large member (appointed jointly).

The board shall elect its own chairman and make such rules as are necessary for the conduct of its business.

Sec. 3.A.020 - Board of Appeals of Plumbers and Gas Fitters.

(a) The Board shall act as a board of appeals in making a determination of any appeal arising from the actions of the administrative authority. Appeals shall be made in writing, and the appellant may appear in person before the Board or be represented by an attorney, and may introduce evidence to support their claim. Appeals shall be submitted in writing at least ten (10) working days in advance of the Board meeting and the appeals shall be heard at reasonable times at the convenience of the Board, but not later than the next regularly scheduled Board meeting. The appellant shall cause to be made at his own expense, any tests or research required by the Board to substantiate their claims.

(b) The Board shall, upon the request of the administrative authority, interpret sections of this Code, as adopted by reference herein, as to the approval of plumbing materials and methods allowed under this Code.

(c) Where conditions exist on any plumbing job which are not specifically provided for by this Code, or where it would be impracticable to follow its provisions, the Board may grant a

variance from the strict application of the provisions of this Code. The person or persons desiring such variance shall submit all data and information necessary or as may be required by the Board to enable it to make its decision, and if after thorough study of the desired variance it determines that the granting of such request would not act in contravention to the welfare of the public, it shall have the authority to grant the variance.

(d) The Board may consider applications for the use of materials or methods of installation not specifically covered in this Code, or for a change in the grading or quality of materials or for a change in methods of installation as set forth in this Code and accept, modify, or reject the same as affording the same degree of safety, sanitation and performance as the materials or methods provided for herein. The Board may use established standards of nationally recognized laboratories and research organizations in making its determination to accept, modify, or reject the application. The applicant shall submit to the Board all necessary information as may be required by the Board in order for it to make its determination, and any expense incurred for the payment of laboratory reports and tests shall be borne by the applicant. If, after a thorough study of the application and upon the basis of such study, it is determined that the public interest would be best served, would not be detrimental to the health and welfare of the public and would afford the same degree of safety and sanitation as elsewhere provided for in this Code, the Board may approve the application; or should it be determined that it is against public interest, would be detrimental to the health and welfare of the public, would not afford the same degree of safety and sanitation as elsewhere provided for in this Code, the Board shall deny the application.

Sec. 3.A.030 – Administrative Authority.

The administrative authority duly appointed to enforce the standard code shall be the Director of the MABCD or designees(s). The terms “administrative authority”, “building official”, and Director of MABCD are synonymous. The administrative authority shall have the authority to promulgate such rules and regulation as are necessary to carry out the purpose of the standard code and such rules and regulations shall be effective upon approval by the governing bodies. The Administrative authority shall have the authority to refer to the Board of Appeals of Plumbers and Gas Fitters that relates to the approval of plumbing material and methods as the same relate to the standard code.

Sec. 3.A.040 – Plumbing inspector qualifications; Appointment.

Within the jurisdiction of the City of Wichita, all commercial plumbing inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master and hold a current plumbing certificate and shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Within the jurisdiction of Sedgwick County, all commercial plumbing inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master, and hold a current plumbing certificate, or in lieu of such experience and certification, shall hold a current and valid plumbing inspector certificate issued by an approved testing agency as determined by the Director of the MABCD, and have two (2) years’ experience in plumbing installations. Each

inspector shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Upon satisfaction of the minimum qualifications for the appropriate jurisdiction, the Director of the MABCD shall have the discretion to appoint the employees as a combination inspector.

Article 3, Section 1 – UNIFORM PLUMBING CODE

Sec. 3.1.010 – Uniform Plumbing Code.

The Uniform Plumbing Code, published by the International Association of Plumbing and Mechanical Officials (IAPMO), 2006 Edition, including the Appendixes and Installation Standards thereto and including the Uniform Plumbing Code's latest edition of Table 14-1, excluding Table No. 1-1: Plumbing Permit Fees, Part II of Chapter 7: Building Sewers, Sections 609.4, 908.0, 1014.0, 1015.0, Appendix F, Appendix K, Appendix L 6.0, Appendix L 7.0, and except for amendments set forth in this section, is by reference incorporated herein and made a part of this Code as though set forth at length herein, and is hereby adopted as the Wichita-Sedgwick County Unified Building and Trade Code, Article 3, Uniform Plumbing Code. In lieu of Appendix K, within the jurisdiction of the unincorporated area of Sedgwick County, and adopting second and third class cities, Chapter 23 of the Sedgwick County Code, entitled Sewers and Sewage Disposal, shall apply. In lieu of Appendix K, within the jurisdiction of the City of Wichita, Title 16 of the Code of the City of Wichita, entitled Sewers, Sewage Disposal and Drains shall apply.

Sec. 3.1.020 – Section 101.1 of the 2006 Uniform Plumbing Code.

Section 101.1 of the 2006 Uniform Plumbing Code shall be amended to read as follows: These regulations shall be known as the Unified Plumbing Code, and will be referred to herein as “this Code”.

Sec. 3.1.030 – Schedule of fees. See [Article 1.2](#) of this Code.

Sec. 3.1.040 – Investigation fees. See [Sec. 2.4.020](#) of this Code.

Sec. 3.1.050 – Sleeves.

Section 313.10.1 of the Uniform Plumbing Code is amended to read as follows: Sleeves shall be provided to protect all piping through concrete and masonry walls, and concrete floors.

Exceptions: (1) Sleeves shall not be required where openings are drilled or bored; and (2) sleeves shall not be required for DWV pipes going through concrete basement floors or slab on grade.

Sec. 3.1.060 - Solvent Cement Plastic Pipe Joints.

Section 316.1.6 of the Uniform Plumbing Code is amended to read as follows: Plastic pipe and fittings designed to be joined by solvent cementing shall comply with appropriate IAPMO Installation Standards. ABS pipe and fittings shall be cleaned and then joined with solvent cement(s). CPVC pipe and fittings shall be cleaned and then joined with listed primer(s) and solvent cement(s). **Exception:** Listed solvent cements that do not require the use of primer shall be permitted for use with CPVC pipe and fittings, manufactured in accordance with Table 14-1, ½ inch through 2 inches in diameter. PVC pipe and fittings must be cleaned and joined with primer(s) and solvent cement(s). Non-pressure PVC pipe and fittings may be joined without primer by using a medium body, one step cement that must be listed by the cement manufacturer for use without primer and so stated on the label. A solvent cement transition joint between ABS and PVC building drain or building sewer shall be made using listed transition solvent cement.

Sec. 3.1.070 – Test Gauges.

Section 319.0 of the Uniform Plumbing Code is amended to read as follows: In performing the prescribed piping tests as required elsewhere in this Code, a spring type gauge may be used provided the required maximum capacity of the gauge used for the ten (10) psi, for fifteen (15) minutes test, be thirty (30) psi and the required maximum capacity of the spring type gauge used for the sixty (60) psi, for thirty (30) minutes test, be one hundred (100) psi.

Sec. 3.1.075 – Table 4-1 amended. Minimum Plumbing Fixtures.

Table 4-1 of the Uniform Plumbing Code, is amended to read as follows:

TABLE 4-1 - MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES^a

No.	CLASSIFI- CATION	OCCU- PANCY	DESCRIPTION	WATER CLOSETS		LAVATORIES		BATHTUBS / SHOWERS	DRINKING FOUNTAINS ^{f, g}	OTHER
				MALE ^e	FEMALE	MALE	FEMALE			
1	Assembly	A-1 ^d	Theaters and other buildings for the performing arts and motion pictures	1 per 125	1 per 65	1 per 200		—	1 per 500	
		A-2 ^d	Nightclubs, bars, taverns, dance halls and buildings for similar purposes	1 per 40	1 per 40	1 per 75		—	1 per 500	1 service sink
			Restaurants, banquet halls and food courts	1 per 75	1 per 75	1 per 200		—	1 per 200	1 service sink

1	Assembly	A-3 ^{d, h}	Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gymnasiums	1 per 125	1 per 65	1 per 200		—	1 per 500	
			Passenger terminals and transportation facilities	1 per 500	1 per 500	1 per 750		—	1 per 1,000	
			Places of worship and other religious services	1 per 150	1 per 75	1 per 200		—	1 per 1,000	
		A-4	Coliseums, arenas, skating rinks, pools and tennis courts for indoor sporting events and activities	1 per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500	1 per 40 for the first 1,500 and 1 per 60 for the remainder exceeding 1,500	1 per 200	1 per 150	—	1 per 1,000	
		A-5	Stadiums, amusement parks, bleachers and grandstands for outdoor sporting events and activities	1 per 75 for the first 1,500 and 1 per 120 for the remainder exceeding 1,500	1 per 40 for the first 1,500 and 1 per 60 for the remainder exceeding 1,500	1 per 200	1 per 150	—	1 per 1,000	
2	Business	B ^h	Buildings for the transaction of business, professional services, other services involving merchandise, office buildings, banks, light industrial and similar uses	1 per 25 for the first 50 and 1 per 50 for the remainder exceeding 50		1 per 40 for the first 80 and 1 per 80 for the remainder exceeding 80		—	1 per 100	
3	Educational	E ^h	Educational facilities	1 per 50		1 per 50		—	1 per 100	
No.	CLASSIFI- CATION	OCCU- PANCY	DESCRIPTION	WATER CLOSETS MALE ^e FEMALE		LAVATORIES MALE FEMALE		BATHTUBS /SHOWERS	DRINKING FOUNTAINS ^{f, g}	OTHER
4	Factory and industrial	F-1 ^h and F-2 ^h	Structures in which occupants are engaged in work fabricating, assembly or processing of products or materials	1 per 100		1 per 100			1 per 400	

5	Institutional	I-1	Residential care	1 per 10	1 per 10	1 per 8	1 per 100	
		I-2	Hospitals, ambulatory nursing home patients ^b	1 per room ^c	1 per room ^c	1 per 15	1 per 100	
			Employees, other than residential care ^b	1 per 25	1 per 35	—	1 per 100	—
			Visitors, other than residential care	1 per 75	1 per 100	—	1 per 500	—
		I-3	Prisons ^b	1 per cell	1 per cell	1 per 15	1 per 100	
		I-3	Reformatories, detention centers and correctional centers ^b	1 per 15	1 per 15	1 per 15	1 per 100	
		I-4	Adult day care and child care	1 per 15	1 per 15	—	1 per 100	
6	Mercantile (see Section 2902.2, 2902.4, 2902.4.1 and 2902.4.2)	M	Retail stores, service stations, shops, salesrooms, markets and shopping centers	1 per 500	1 per 750	—	1 per 1,000	
7	Residential	R-1	Hotels, motels, boarding houses (transient)	1 per sleeping unit	1 per sleeping unit	1 per sleeping unit	—	
		R-2	Dormitories, fraternities, sororities and boarding house (not transient)	1 per 10	1 per 10	1 per 8	1 per 100	
		R-2	Apartment house	1 per dwelling unit	1 per dwelling unit	1 per dwelling unit	—	1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per 20 dwelling units
No.	CLASSIFI- CATION	OCCU- PANCY	DESCRIPTION	WATER CLOSETS MALE ^e FEMALE	LAVATORIES MALE FEMALE	BATHTUBS /SHOWERS	DRINKING FOUNTAINS ^{f, g}	OTHER

7	Residential	R-3	One- and two-family dwellings	1 per dwelling unit	1 per dwelling unit	1 per dwelling unit	——	1 kitchen sink per dwelling unit; 1 automatic clothes washer connection per 20 dwelling units
		R-4	Residential care/assisted living facilities	1 per 10	1 per 10	1 per 8	1 per 100	
8	Storage	S-1 ^h S-2 ^h	Structures for the storage of goods, warehouses, storehouses and freight depots, low and moderate hazard	1 per 100	1 per 100		1 per 1,000	

- a. The fixtures shown are based on one fixture being the minimum required for the number of persons indicated or any fraction of the number of persons indicated. The number of occupants shall be determined by this code.
- b. Toilet facilities for employees shall be separate from facilities for inmates or patients.
- c. A single-occupant toilet room with one water closet and one lavatory serving not more than two adjacent patient rooms shall be permitted where such room is provided with direct access from each patient room and with provisions for privacy.
- d. The occupant load for seasonal outdoor seating and entertainment areas shall be included when determining the minimum number of facilities required.
- e. Where urinals are provided, one water closet less than the number specified may be provided for each urinal installed, except the number of water closets in such cases shall not be reduced to less than one half of the minimum specified.
- f. Where the design occupant load is less than the following use groups capacity, drinking fountains shall not be required:

Mercantile: 250

Factory and Industrial/Storage: 100

All others: 50

Where water is served in restaurants or where bottled water coolers are provided in other occupancies, drinking fountains shall not be required.

- g. Drinking fountains shall not be installed in public restrooms.
- h. Fixtures located in adjacent buildings under the ownership or control of the church, business, educational, factory/industrial, mercantile, or storage occupancy shall be made available during period the church, business, educational, factory/industrial, mercantile, or storage occupancy is occupied. The fixtures shall be located within 500 ft. of the building.

Sec. 3.1.080 – Cross Connection Control.

Section 603.0 of the Uniform Plumbing Code is amended to read as follows: No person shall install any water-operated equipment or mechanism, or use any water treating chemical or substance, if it is found that such equipment, mechanism, chemical or substance may cause pollution or contamination of the domestic water supply. Such equipment or mechanism may be permitted only when equipped with an approved backflow prevention device. In addition to the general requirements of Section 603.0, Cross Connection Control, Backflow prevention devices and methods shall conform to Title 17.10 of the Code of the City of Wichita. Where, in any specific case, sections of this Code specify different material, methods of construction or requirements in conflict with other local laws or ordinance, the most restrictive shall govern.

Sec. 3.1.090 - Protection from Lawn Sprinklers and Irrigation Systems.

Section 603.4.6.1 of the Uniform Plumbing Code is amended to read as follows: Potable water supplies to systems having no pumps or connections for pumping equipment, and no chemical injection or provisions for chemical injection, shall be protected from backflow by one of the following devices: (1) Pressure vacuum breaker, (2) Spill-resistant vacuum breaker, or (3) Reduced-pressure backflow preventer.

Sec. 3.1.100 - Backflow Device Downstream from a Potable Water Supply Pump.

Section 603.4.6.3 of the Uniform Plumbing Code is amended to read as follows: Where systems have a device installed downstream of potable water supply pump or a potable water supply pump connection, the device shall be one of the following: (1) Pressure vacuum breaker, (2) Spill-resistant vacuum breaker, or (3) Reduced-pressure backflow preventer.

Sec. 3.1.110 - Protection from Fire Systems.

Section 603.4.16.3 of the Uniform Plumbing Code is amended to read as follows: Where contaminant chemicals (ethylene glycol, corrosion inhibitors, or other chemicals) are added to a fire protection system supplied from a potable water supply, the potable water system shall be protected by one of the following: (1) Reduced pressure backflow preventer, or (2) Reduced pressure detector assembly. Fire protection systems using low hazard materials must be protected with appropriate protection and clearly labeled per NFPA requirements with MSDS documentation. Devices approved for low hazard potable water system protection include the following: (1) Double check backflow preventer, and (2) Double check detector assembly.

Sec. 3.1.120 - Excessive Water Pressure.

Section 608.2 of the Uniform Plumbing Code is amended to read as follows: Where static water pressure in the water supply piping is in the excess of one hundred (100) pounds per square inch (689kPa), an approved type pressure regulator preceded by an adequate strainer shall be installed and the static pressure reduced to one hundred (100) pounds per square inch (689kPa) or less. Such regulator(s) shall control the pressure to all water outlets in the building unless otherwise approved by the administrative authority. Each such regulator

and strainer shall be accessibly located aboveground or in a vault equipped with a properly sized and sloped bore-sighted drain to daylight, shall be protected from freezing, and shall have the strainer readily accessible for cleaning without removing the regulator or strainer body or disconnecting the supply piping. All pipe size determinations shall be based on eighty percent (80%) of the reduced pressure when using Table 6-6.

Sec. 3.1.130 - Installation.

Section 609.1 of the Uniform Plumbing Code is amended to read as follows: All water piping shall be adequately supported in accordance with Section 314.0 and to the satisfaction of the administrative authority. Burred ends shall be reamed to the full bore of the pipe. Changes in direction shall be made by the appropriate use of the fittings, except that changes in direction in copper tubing may be made with bends having a radius of not less than six (6) diameters of the tubing, providing that such bends are made with bending equipment that does not deform or create a loss in the cross-sectional area of the tubing. Changes in direction are allowed with flexible pipe and tubing without fittings in accordance with the manufacturer's installation instructions. Provisions shall be made for expansion in hot water piping. The depth of a water service line shall be at least thirty-six (36) inches below finished grade. Such service shall be not less than five (5) feet from any tree on public property. The water service pipe shall be laid in a ditch separate from other underground pipes or conduits. There shall be not less than eighteen (18) inches of solid undisturbed earth between water service pipes and other underground pipes and conduits. All piping, equipment appurtenances and devices shall be installed in a workmanlike manner in conformity with the provisions and intent of this Code.

Sec. 3.1.140 - Vitrified Clay Pipe and Fittings.

Section 701.1.3 of the Uniform Plumbing Code is amended to read as follows: No vitrified clay pipe or fittings shall be used aboveground or where pressurized by a pump or ejector. They shall be kept at least twelve (12) inches (305 mm) belowground. No vitrified clay pipe or fittings shall be allowed inside a building or structure. Vitrified clay pipe and fittings may be used for repairs to existing clay pipe building sewers if the work conforms to Title 16 of the Code of the City of Wichita.

Sec. 3.1.150 - Battery Drainage System.

Section 703.3 of the Uniform Plumbing Code is amended to read as follows: A horizontal branch, soil or waste pipe, to which two (2) or more water closets (except blowout type), pedestal urinals, shower stalls or floor drains are connected in a battery, may be vented by a circuit loop vent. When lavatories or similar fixtures discharge above such branches, each vertical branch shall be provided with a continuous vent which may be connected to the circuit or loop of the battery. The circuit or loop vent of a battery drainage system shall be installed vertically in front of the last upstream fixture. In addition, lower floor branches serving more than three water closets shall be provided with a relief vent taken vertically in front of the first fixture connection. No more than eight (8) water closets may be connected to a battery drainage system. The fixture unit value for all fixtures shall be as listed in Tables 7-3 and 7-4 of the Uniform Plumbing Code. The horizontal branch for its full length to the furthest fixture

shall be uniformly sized as listed in Table 7-5 of the Uniform Plumbing Code, based on the total number of fixtures. The vent battery drainage system shall be sized for a fixture unit demand of the battery system according to Table 7-5 of the Uniform Plumbing Code based on the total number of fixtures. The relief vent may be wet vented with a fixture drained vertically in the battery drainage system. Such vent shall be the same size as the circuit vent it intersects. All vents rise vertically to six (6) inches (152.4 mm) above the flood level of the highest fixture on the system.

Sec. 3.1.160 - Media.

Section 712.1 of the Uniform Plumbing Code is amended to read as follows: The piping of the plumbing, drainage, and venting systems shall be tested with water or air. The administrative authority, as defined in the Uniform Plumbing Code, may require the removal of any cleanouts, etc., to ascertain whether the pressure has reached all parts of the system. When the temperature wherein the drainage system is located is above twenty degrees (20°) Fahrenheit, a water test as set forth in Section 712.2 may be made. After the plumbing fixtures have been set and their traps filled with water, they shall be submitted to a final test.

Sec. 3.1.170 - Indirect Waste Receptors.

Section 804.1 of the Uniform Plumbing Code is amended to read as follows: All plumbing fixtures or other receptors receiving the discharge of indirect waste pipes shall be approved for the use proposed and shall be of such shape and capacity as to prevent splashing or flooding and shall be located where they are readily accessible for inspection and cleaning. No indirect waste receptor shall be installed in any toilet rooms, closet, cupboard or storeroom, nor in any other portion of a building not in general use by the occupants thereof, except standpipes for clothes washers may be installed in toilet and bathroom areas when the clothes washers are installed in the same room. Clothes washers shall not be installed so as to discharge into any gravity line higher than sixty (60) inches above its base. The clothes washer standpipe shall be a minimum length of eighteen (18) inches above the trap and the inlet of the standpipe no higher than sixty (60) inches above the floor. In any structure where drains are to be installed in or flush with the floor, they may be floor sinks, or floor drains and be readily accessible, provided floor drains used as indirect waste receptors shall meet the following requirements:

1. Have a reservoir capacity a minimum of four (4) inches in diameter and two (2) inches deep;
2. Have a perforated cover equal in area to the diameter of the drain;
3. Have a minimum trap and waste line size of two (2) inches in diameter; and
4. The indirect waste line shall maintain a two (2) inch air gap.

Section 3.1.180 - Wet Venting.

Section 908.0 of the Uniform Plumbing Code is amended to read as follows: Groups of fixtures

on the same floor may be wet or stack vented; provided that the maximum distance from the vent intersection with the waste or soil pipe to the dip of the trap shall be in accordance with Table 10-1.

A fixture may be wet vented when not more than one fixture unit wastes into a one and one-half (1 ½) inch diameter wet vent. Not more than four (4) fixture units shall waste into a two (2) inch diameter (excluding urinals) or nine (9) fixture units into three (3) inch or larger diameter wet vent. Excepting floor drains, no fixtures shall waste into such stack below the closet fixture opening without a proper revent. The limit of a horizontal wet vent shall be ten (10) feet developed length.

Section 3.1.190 - TABLE 10-1

Table 10-1 of the Uniform Plumbing Code is amended to read as follows:

TABLE 10-1

Horizontal Distance of Trap Arms
(Except for water closets and similar fixtures)*
slope one fourth (1/4) inch per foot

Trap Arm	Distance Trap to Vent	
Inches	Feet	Inches
1 ¼	2	6
1 ½	3	6
2	6	0
3	6	0
4 and larger	10	0

Provided that the distance for floor drains shall be within fifteen (15) feet of a ventilated line and the distance for bathtubs with one and one-half (1 ½) inch waste shall be within five (5) feet of a vent.

For trap arms three (3) inches in diameter and larger, the change of direction shall not exceed one hundred and thirty-five (135) degrees without the use of a cleanout.

*The developed length between the trap of a water closet or similar fixture (measured from the top of the closet ring (flange) to inner edge of vent) and its vent shall not exceed six (6) feet.

Section 3.1.200 - Rough Piping Inspection.

Section 1204.3.1 of the Uniform Plumbing Code is amended to read as follows: This inspection shall be made after all gas piping authorized by the permit has been installed, and before any such piping has been covered or concealed, or any fixture or appliance has been attached thereto. This inspection shall include a determination that the gas piping size, material and installation meet the requirements of this Code.

When installing any gas opening for a future gas burning appliance in residential gas piping systems, it shall be sized and located according to the following requirements:

1. The future appliance shall be assigned a minimum fifty-five thousand (55,000) BTU value for sizing the gas distribution piping system;
2. For future solid fuel burning fireplaces, the gas opening shall be run to within four (4) feet of the fire box and be controlled by an accessible approved shut-off valve outside the hearth and be properly capped or plugged;
3. For future gas fired appliances, the gas opening shall be run to within three (3) feet of the appliance and be controlled by a readily accessible approved shut-off valve outside the hearth and be properly capped or plugged;
4. The approved required shut-off valve shall be outside of each appliance or fireplace and ahead of the union connection and in addition to any valve on the appliance;
5. When creating a new opening all gas piping must be tested; and
6. When extending an existing gas opening, only that branch must be tested. When making a gas opening at the meter loop, only that branch must be tested.

Exception: When approved by the administrative authority, above procedures may be waived and a soap test administered.

Sec. 3.1.210 - Gas Piping Above Ground and Above Roofs.

Section 1211.2.1 of the Uniform Plumbing Code, is amended to read as follows:

All piping installed outdoors shall be elevated not less than three and one half (3½) inches above grade and enter or exit the structure above the finish grade. Where installed across roof surfaces, shall be elevated not less than three and one-half (3½) inches above the roof surface. Piping installed above ground, outdoors, and installed across the surface of roofs shall be securely supported and located where it will be protected from physical damage. Where passing through an outside wall, the piping shall also be protected against corrosion by coating or wrapping with an inert material approved for such applications. Where piping is encased in a protective pipe sleeve the annular space between the gas piping and the sleeve shall be sealed at the wall to prevent the entry of water, insects, or rodents. [NFPA 54: 6.2.1]

Sec. 3.1.220 - Building Code Provisions.

The provisions of Article 2 of this Code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Sec. 3.1.230 - Electrical.

The provisions of Article 4 of this Code shall apply to the installation of electrical systems, including alterations, repairs, replacement equipment, appliances, fixtures, fittings and appurtenances thereto.

Sec. 3.1.240 - Mechanical.

The provisions of Article 5 of this Code shall apply to the installation of vents, combustion air, ventilation, mechanical systems, system components, equipment and appliances applied within HVAC systems.

Sec. 3.1.250 - Fire Prevention.

The provisions of Title 15 of the Code of the City of Wichita for matters within the jurisdiction of the City of Wichita and Chapter 12 of the Sedgwick County Code for matters within the jurisdiction of Sedgwick County shall apply to matters affecting or relating to structures, processes and premises from the hazard of fire and explosion arising from storage, handling or use of structures, materials or devices; from conditions hazardous to life, property or public welfare in the occupancy of structures or premises; and from the construction, extension, repair, alteration or removal of alarm systems and fire hazards in the structure or on the premises.

Sec. 3.1.260 - Definitions.

Unless otherwise specified, the following terms, as used in this Section, shall mean as follows:

'Apprentice' means an individual who works as an employee in training under the direct supervision of a Journeyman Plumber or Master Plumber. An apprentice is not a certified individual.

'Board' means that board appointed for Plumbers and Gas Fitters for the purpose of reviewing code interpretations taken by the building code enforcement division, granting variances from the code reviewing license applications and license suspensions and revocation.

'Code' means the Uniform Plumbing Code and Article 3 of this Code, as adopted by the MABCD.

'Direct supervision' means that the apprentice is limited to the same structure and/or building site as the journeyman or master plumber, except in the case of one and two-family residential

development, where the apprentice may be on the job site within five hundred (500) feet of where the journeyman or master is working.

'Field Experience' means working under the direct supervision of a person having a valid Journeyman Plumber or Master Plumber certificate or attending trade related schooling. No more than one year of the requirement may be satisfied by trade related schooling. Schooling shall consist of a minimum of two hundred and forty (240) hours classroom training.

'Journeyman Gas Fitter' means a person who has been approved by the MABCD showing that individual to be qualified to do gas piping, make repairs to gas piping systems or in any work at the trade of gas piping for a Licensed Contractor. That individual shall have a current certificate showing him or her to be so qualified.

'Journeyman Plumber' A journeyman plumber is a person who has been approved by the MABCD showing that individual to be qualified to do plumbing or gas piping, venting work, and work at the trade of plumbing and gas piping for a Licensed Contractor. That individual shall have a current certificate showing him or her to be so qualified. A Journeyman Plumber is deemed to be a Journeyman Gas Fitter, Journeyman Drain Layer, Journeyman Lawn Irrigation, Journeyman Sewer Cleaner and certified Water Conditioning Installer by definition.

'Licensed Contractor' means a person, firm, partnership, corporation, limited liability company, association or combination thereof, that has acquired a plumbing, gas fitter, lawn irrigation, drain laying, or certified Water Conditioning license from the MABCD, who undertakes or offers to undertake for another, for hire, the planning, laying out, supervising and installing or making additions, alterations, and repairs in the installation of plumbing, drains, gas fittings, lawn irrigation or plumbing systems.

'Licensed Trade' or 'trade' means the mechanical, electrical, plumbing or gas fitting trade, as the context of this Code may require.

'Master Gas Fitter' means a person who has been approved by the MABCD showing that individual to be qualified to engage in the business of gas piping systems and who has a current certificate showing him or her to be so qualified.

'Master Plumber' means a person who has been approved by the MABCD showing that individual to be qualified to engage in the business of plumbing and gas piping, the installation of plumbing and gas fixtures and appliances, and who has a current certificate showing him or her to be so qualified. A Master Plumber is deemed to be a Master Gas Fitter, Master Drain Layer, Master Lawn Irrigation, Master Sewer Cleaner and Certified Water Conditioning installer by definition.

'Qualified Master' means an individual who holds a master certificate issued pursuant to this Code evidencing such person to be qualified to control and have authority of all technical work performed under the authority of the licensed contractor's enterprise, and assures quality control and is responsible for complying with all applicable laws, codes and regulations. An individual shall not be the Qualified Master for more than one licensed contractor's enterprise unless such

individual receives approval from the Director of the MABCD or an authorized representative thereof and approved by the Board.

Sec. 3.1.270 - Apprentice Limitations.

Apprentices shall be permitted to work when accompanied by and under the direct supervision of a Master or Journeyman Plumber, who shall be responsible for the plumbing work done by the Apprentice. There shall be a maximum of four (4) Apprentices per one Master or Journeyman Plumber. The on-site Master or Journeyman shall be responsible for maintaining the ratio of Master/Journeyman Plumbers to Apprentices as required by this Section. If an Apprentice works without the required direct supervision, the Qualified Master, on-site Master or Journeyman Plumber, and/or the Apprentice may be held responsible for violation of this Code.

Sec. 3.1.280 - Applicant Requirements, Examinations; Issuance of Certificates.

Any person desiring to engage in or work at the business of plumbing, plumbing repair, lawn irrigation, water conditioning, gas fitter, or to do such work, shall submit the prescribed application form to the MABCD for a certificate, and if applicant meets the following requirements or is approved by the Board, shall at such time and place as directed be subjected to an examination as to their qualifications. The qualifications are as follows:

- a. A minimum score of seventy-five (75) percent on the "Block Examination" Master/Journeyman Plumbing Certificate, which is administered by Prometric, or
- b. A minimum score of seventy-five (75) percent on the International Code Council Examination for a Master/Journeyman Plumbing Certificate, which is administered by International Code Council, or
- c. A satisfactory score on any other standard examination to determine the qualification of a Master/Journeyman Plumbing that is approved and adopted by the State of Kansas, pursuant to state law, following the effective date of this Code.

Applicant requirements:

Journeyman Plumber: two (2) years documented Field Experience.

Master Plumber: two (2) years as Journeyman Plumber or four (4) years documented Field Experience.

Journeyman Gas Fitter: two (2) years documented Field Experience.

Master Gas Fitter: two (2) years as Journeyman Plumber or four (4) years documented Field Experience.

Journeyman Drain Layer: two (2) years documented Field Experience.

Master Drain Layer: two (2) years as Journeyman Plumber or four (4) years documented Field Experience.

Journeyman Lawn Irrigation: two (2) years documented Field Experience.

Master Lawn Irrigation: two (2) years as Journeyman Plumber or four (4) years documented Field Experience.

Note: For Journeyman Plumber requirements an applicant may use completion of a technical or trade related school for one (1) year of the required two (2) years. The training shall consist of a minimum of two hundred and forty (240) hours of classroom training.

Sec. 3.1.290 - Fees for Examination and Certificates, Renewing, and Continuing Education Requirements.

(a) The fee for each examination and original certificate of a Master Plumber, Journeyman Plumber, Master Drain Layer, Journeyman Drain Layer, Master Lawn Irrigation, Journeyman Lawn Irrigation, Master Water Conditioning, certified Water Conditioning Installer, Master Gas Fitter or Journeyman Gas Fitter shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates. This fee shall be paid to the MABCD when the application for a certificate is made. Individuals not holding a certificate at the beginning of the certificate cycle, who obtain a certificate during such certificate cycle by the standardized test required by K.S.A. 12-1508 and any amendments thereto, will be issued the initial certificate without documentation of continuing education. Such certificate will be issued noting the test provider, specific test type and grade. Such test shall be completed during the certificate cycle. All such certificates shall expire on December 31st of each odd numbered year. The biennial fee for all certificates shall be established by the Director of the MABCD to cover the administrative cost of issuing such certificates. All such certificates shall be renewed biennially upon payment established by the Director of the MABCD to cover the administrative costs of issuing such certificates. All certificates shall expire on December 31st of each odd-numbered year and no reduction shall be made for part of the year being elapsed. Any holder of a certificate who fails to renew the same by March 1st after its expiration shall be required to submit one of the following: (1) Proof of completing a new examination in accordance with K.S.A. 12-1508; or (2) proof of completing an additional one and one-half (1½) hours of continuing education hours, pursuant to K.S.A. 12-1509, for each three (3) month period the renewal is late and only when the original certificate was issued pursuant to K.S.A. 12-1508. It is the total responsibility of the certificate holder to assure that his/her certificate has been renewed and is valid.

(b) Individuals passing the examination in the first year of a renewal cycle will need to provide documentation of twelve (12) hours of approved continuing education when renewing their certificate. Not less than six (6) hours shall consist of plumbing code education. The continuing education shall be attended during the certificate cycle. Individuals passing the examination in the second year of a renewal cycle will need to provide documentation of six (6) hours approved continuing education when renewing their certificate. Not less than three (3) hours shall consist of plumbing code education. The continuing education shall be attended during the second year of the certificate cycle. Individuals with an active certificate that passed

the examination prior to the first year of the renewal cycle must provide written proof of having completed biennially not less than twelve (12) hours of continuing education approved by the MABCD. Not less than six (6) hours shall consist of plumbing code education. Continuing education shall be provided by the MABCD or a nationally recognized trade association, community college, technical school, technical college or other provider approved by the MABCD. All twelve (12) hours of education shall comply with the MABCD's continuing education guidelines for plumbing.

Sec. 3.1.300 - Licenses.

Any person engaging or desiring to engage in the business of plumbing, plumbing repair, drain laying, lawn irrigation, water conditioning, gas fitting or gas fitting repair shall, before obtaining any permit or transacting any business, obtain a license therefore from the Director of the MABCD, which license shall expire on December 31st of the year in which so issued.

Sec. 3.1.310 - Certain Persons Exempt from License Requirements.

Any person, corporation, business, government entity or similar entity not engaged in the business of plumbing within the scope of this Code who has in his/her regular and permanent employment a person or persons who possess a current and valid journeyman or master plumbing certificate shall be permitted to have such person or persons perform maintenance and repair work, that does not require a permit, on buildings and premises that are owned, leased, operated or managed by him/her shall be exempt from this Code, as pertains to licenses but shall be subject to all other requirements pertaining to this Code.

Sec. 3.1.320 - Revocation of Certificates and Licenses.

The Board is authorized to cancel and recall any certificate or license obtained in accordance with the provisions of Article 3 of this Code for any or all of the following reasons:

1. Abandonment of any contract without legal cause;
2. Diversion of funds or property received for performance or completion of a specific contract, or for a specific purpose in the performance or completion of any contract, and the application or use for any other contract, obligation or purpose, or the failure, neglect or refusal to use such funds or property for the performance or completion of such contract;
3. Violation of any provisions of this Code or the failure or refusal to comply with any lawful order of the administrative authority;
4. Misrepresentation of a material fact by the applicant in obtaining a license;
5. The failure of any such master plumber, master gas fitter, master drain layer, master lawn irrigation, master water conditioning, journeyman plumber, journeyman gas fitter, journeyman drain layer or journeyman lawn irrigation, journeyman water conditioning to fully satisfy all claims for labor and materials used in the performance of any work for which he has been engaged and for which he has been paid;

6. Use of a license to obtain permits for another;
7. Carelessness or negligence in providing safety measures for the protection of workmen and the public;
8. Failure to obtain permits or schedule required inspections;
9. Unreasonable delay in the performance and carrying out of any contract;
10. A Qualified Master who allows or permits an uncertified individual to engage in the business of plumbing, plumbing repair, lawn irrigation, water conditioning, or gas fitting;
11. Any person who installs, removes, alters, repairs or replaces or causes to be installed, removed, altered, repaired or replaced, any plumbing, gas or drainage piping work or fixture or water heating or treating equipment in a building or premises without first obtaining the proper permit to do such work from the MABCD.
12. Failure to obtain an excavation permit from the department of public works-engineering prior to performing any excavation work on public property within the City limits of the City of Wichita, and said permit to be obtained in accordance with the terms of Chapter 10.20 of the Code of the City of Wichita, or who fails to obtain a separate permit for each building or structure or for any additional work other than authorized in the permit,
13. A licensed contractor who allows another person, to do or cause to be done any work under a permit secured by said contractor except those persons in his employment.

Sec. 3.1.330 - Owner Occupants--Minor Repairs.

Regardless of the requirements of other sections of this Code, the owner-occupant of a single-family dwelling may obtain permits to repair, replace, or maintain the existing plumbing systems in such single-family dwelling and the usual accessory buildings in connection with such dwelling; provided, however, that the owner-occupant shall perform all such work and that the work so performed is in accordance with this Code as verified by an inspection requested by such owner-occupant and performed by the MABCD. No permit shall be required for minor repairs or alterations which do not exceed two hundred dollars (\$200.00) as the price charged for such work, but such work shall comply with all requirements of this Code.

Sec. 3.1.340 - Owner-Occupants Permit, Fee, Examination, and Requirements.

The owner-occupant of a detached single-family dwelling occupied or to be occupied by the owner-occupant applying for the permit may be permitted to install plumbing systems in the main structure and accessory structures thereto provided all materials are purchased and all labor is performed by the applicant. Owner-occupants applying for permits for installations as outlined above shall first qualify themselves by successfully passing an open book examination dealing with relevant provisions of this Code. Successful passage of the examination shall qualify the applicant for future permits until the time of adoption of another edition of the

Code by the MABCD. Prior to permit approval, the applicant shall also submit a plan of the installation drawn in a format acceptable to and drawn in sufficient detail as to satisfy the Director of the MABCD of the overall Code compliance of the anticipated installation. Permit fees shall be as set forth elsewhere in this Code and in Article 2 provided, however, that each additional inspection owing to detected Code deficiencies requiring correction shall be billed at the rate as determined by the Director of the MABCD. Permits for installations in completely new residences and/or total remodel permits shall be limited to one (1) in three (3) years to each applicant unless a waiver is obtained, upon written application, from the Board.

Sec. 3.1.350. Insurance Requirements. See [Article 1.4\(c\)](#) of this Code.

Sec. 3.1.360. Licensed Contractors--Established Place of Business Required. See [Article 1.4\(a\)](#) of this Code.

Sec. 3.1.370 - Licensed Contractors--Marking of Vehicles. See [Article 1.4\(b\)](#) of this Code.

Sec. 3.1.380 - Truth in Advertising Requirements. See [Article 1.4\(d\)](#) of this Code.

Article 3, Section 2 – PREFABRICATED ASSEMBLIES

Sec. 3.2.010 – Definitions.

The following definitions shall apply in the interpretation of this section:

1. "Prefabricated assembly" means a structural unit, the integral parts of which have been built up or assembled prior to incorporation in the building or to being erected as a building unit.
2. "Approved agency" means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services.

Sec. 3.2.020 – Certificates of Approval.

A certificate of approval by an approved agency shall be furnished with every prefabricated assembly, except where the assembly is readily accessible to inspection at the site. The certificate of approval shall certify that the assembly in question has been inspected and meets the requirements of Article 3 of this Code.

Sec. 3.2.030 – Field Erection.

Placement of prefabricated assemblies at the building site shall be inspected by the plumbing inspector to determine compliance herewith.

Sec. 3.2.040 – Master Plumber's certificate or approved agency certification.

The installation of plumbing, house drainage, gas piping, fixtures and appliances within or on any prefabricated assembly to be erected shall be performed under the supervision of a person who has secured a master plumber's certificate as approved by the Director of the MABCD when certified as defined in Sec. 3.1.280 of this Code.

Sec. 3.2.050 – Permit required.

Final connections of the plumbing and gas piping services to the prefabricated assembly shall be made by a licensed master plumber, and for each assembly placed within the MABCD jurisdiction, as applicable, he shall secure a permit according to Article 3 of this Code.

ARTICLE 4 – NATIONAL ELECTRICAL CODE

Article 4, Section A - GENERAL PROVISIONS, ADMINISTRATION AND ENFORCEMENT

Sec. 4.A.010. - Board of electrical appeals—Composition.

There is authorized a board of electrical appeals which shall consist of the Director of the Metropolitan Area Building and Construction Department ("MABCD"), or the designee, who shall be secretary of the board, and seven other members as follows:

- (1) One master electrician (appointed by the City);
- (2) One master electrician (appointed by the County);
- (3) One journeyman electrician (appointed by the City);
- (4) One journeyman electrician (appointed by the County);
- (5) One elevator mechanic (appointed by the City);
- (6) One electrical engineer (appointed by the County);
- (7) One public-at-large member (appointed jointly).

The board shall elect its own chairman and make such rules as are necessary for the conduct of its business.

Sec. 4.A.020. - Board of electrical appeals—Promulgation of additional rules.

The board of electrical appeals shall have the following authority and duties.

- (1) The board of electrical appeals shall act as an arbitration board in deciding any question that may arise between the electrical inspector and any electrician, or between the electrical inspector and any other person aggrieved by a decision of the electrical inspector.
- (2) Where conditions exist on any electrical job which are not specifically provided for by this Code, or where it would be impracticable to follow its provisions, the board may grant a variance from the strict application of the provisions of this Code. The person or persons desiring such variance shall submit all data and information necessary or as may be required by the board to enable it to make its decision, and if after thorough study of the desired variance it determines that the granting of such request would not act in contravention to the welfare of the public, it shall have the authority to grant the variance.
- (3) The board of electrical appeals shall consider applications for the use of materials or methods of installation not specifically covered in this Code, or for a change in the grading or quality of materials or for a change in methods of installation as set forth in this Code and accept or reject the same as affording the same degree of safety, and performance as the materials or methods provided for herein. The board shall use established standards of nationally recognized laboratories and research organizations in making its determination to

accept or reject the application. The applicant shall submit to the board all necessary information as may be required by the board in order for it to make its determination, and any expense incurred for the payment of laboratory reports shall be borne by the applicant. If, after a thorough study of the application and upon the basis of such study, it is determined that the public interest would be best served, would not be detrimental to the welfare of the public and would afford the same degree of safety as elsewhere provided for in this Code, the board shall approve the application; or should it be determined that it is against public interest, would not afford the same degree of safety as elsewhere provided for in this Code, the board shall deny the application. The code official shall notify the applicant and other interested parties of the action in regard to the application.

Sec. 4.A.030. - Board of electrical appeals—Matters pertaining to electrical elevators.

Whenever the board of electrical appeals has under consideration matters pertaining to elevators, the elevator inspector having charge of elevator installation shall sit with the board and act in an advisory capacity.

Sec. 4.A.040. - Scope—Purpose.

In order to provide practical safeguards of persons and of buildings from hazards arising from, affecting or relating to the construction, installation, alteration, repair, renewal, use, location and maintenance of all electric wiring, appliances or devices for light, heat or power, and for other purposes, basic standards of installation, authority to regulate and control are established, except that this Code does not cover installations in mines, ships, railway cars, automotive equipment, or the installations or equipment employed by a railway, electric or communication utility in the exercise of its function as a utility, and located outdoors or in buildings used exclusively for that purpose.

Sec. 4.A.050. - Definitions.

In addition to the definitions given in this Section, words and terms used in this Code shall be as defined in the National Electrical Code as referred to and adopted in Article 4.1 of this Code.

"Approved" as used in reference to materials or methods of construction, means that which conforms to standards as set forth in Section 2.010 of this Code and that which meets the approval of the Director of the MABCD of electrical and elevator section or the board of electrical appeals as the result of tests and investigations made by recognized technical or scientific organizations.

"Building code," as used in this Code, means Article 2 of this Code.

"Code Official" as used in this Code, means the Director of the MABCD or designee(s) of electrical and elevator section.

"Electrical Contractor" is a person, firm or corporation licensed to bid, plan, layout, install and supervise the installation of electrical wiring, or the installation of electrical equipment, devices or apparatus for light, heat or power purposes in or on any building or premises.

"Person" means a natural person, his heirs, executives, administrators or assigns, and including a firm, partnership or corporation, its or their successors or assigns. Singular includes plural, male includes female.

Sec. 4.A.060. - Provisions not retroactive.

Except for safety, nothing in this Code shall require any change in the installation of any wiring or the construction or erection of any appliance or device which complied with the law prior to the enactment of this Code. Any wiring, appliance or device illegally erected or installed prior to the enactment of this Code shall be removed or brought into compliance with this Code within thirty days of the effective date hereof.

Sec. 4.A.070. - Board of electrical appeals—Matters pertaining to electrical elevators.

Whenever the board of electrical appeals has under consideration matters pertaining to elevators, the elevator inspector having charge of elevator installation shall sit with the board and act in an advisory capacity.

Sec. 4.A.080. - Electrical inspectors—Appointments—Duties.

Within the jurisdiction of the City of Wichita, all commercial electrical inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master and hold a current electrical certificate and shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Within the jurisdiction of Sedgwick County, all commercial electrical inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master, and hold a current electrical certificate, or in lieu of such experience and certification, shall hold a current and valid electrical inspector certificate issued by an approved testing agency as determined by the Director of the MABCD, and have two (2) years' experience in electrical installations. Each inspector shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Upon satisfaction of the minimum qualifications for the appropriate jurisdiction, the Director of the MABCD shall have the discretion to appoint the employees as a combination inspector.

Sec. 4.A.090. - Electrical inspectors—Inspection of wiring.

The electrical inspector shall examine and approve all new, renewed, repaired, extended or altered installations of wiring before work is concealed and again inspect each job upon completion of the work. He shall not release for electrical energy any wiring or electrical equipment which does not meet the provisions of this Code.

Sec. 4.A.100. (80.27)- Electrical inspectors—Authority to issue written notices.

The electrical inspector shall issue a written notice for any failure to correct a violation of this

code. Should any person, firm or corporation served by such notice fail or refuse to comply with the orders contained in the notice within the time specified therein, the electrical inspector shall have the authority to disconnect or cause to be disconnected any electrical wiring or equipment and/or such person, firm or corporation shall be subject to the penalties provided for in See [Article 1.2](#) of this Code.

Sec. 4.A.110. - Electrical inspectors—Authority to disconnect electrical wiring.

The electrical inspector shall have the authority to disconnect or cause to be disconnected from electric energy, any electrical wiring or equipment in case of emergency or when necessary for the protection of life or property, and he shall order the discontinuance of electrical energy to any electrical wiring, device or equipment found to be dangerous to life or property and to hold such wiring, device or equipment out of service until the same is made safe and conforms to the standards set forth in this Code.

Sec. 4.A.120. - Electrical inspectors—Right of entry.

In order to carry out the provisions of this Code, the electrical inspectors shall have the authority during reasonable hours to enter any building or upon any premises in the discharge of their duties for the purpose of making inspections and tests of an installation of electrical wiring, device, appliance or equipment contained therein.

Sec. 4.A.130. - Liability of persons owning or installing electrical wiring.

This Code shall not be construed to relieve from liability or to lessen the responsibility of any person owning, controlling or installing any electrical wiring, equipment or device. The City of Wichita or Sedgwick County shall not be held as assuming any liability of any nature by reason of the inspection authorized in this Code or certificate issued, and no officer or employee charged with the enforcement of this Code shall be held personally liable for any damage that may accrue to persons or property as a result of any act required or committed in the discharge of his duties.

Article 4, Section 1 - CERTIFICATES, PERMITS AND LICENSES

Sec. 4.1.005. - Electrical license—Required.

It is unlawful for any person, firm or corporation to engage in the business of electrical contractor without having secured an electrical license from the Director of the MABCD.

Sec. 4.1.010. - Master and journeyman electricians' certificates—Required.

It is unlawful for any person to engage in the business of electrical contracting without first having secured a master electrician's certificate as provided for in this Code. The master electrician shall be responsible for all electrical work encompassed in the inspection requested by and/or on the permit issued to his company.

It is further unlawful for any person to engage in the trade or otherwise perform the act of installing electrical wiring or raceways for equipment, apparatus or devices for light, heat or power, or other purposes within or on any building or premises without first having secured a

master electrician's certificate or a journeyman electrician's certificate as herein provided for and both be in the employ of a licensed electrical contractor. A holder of a residential wireman electrician's certificate may perform the act of installing any and all electrical wiring within or on one- and two-family dwellings only and must be in the employ of a licensed electrical contractor.

The following exception shall be allowed: Except as provided for in Sections 4.1.050 and 4.1.090 of this Code.

Sec. 4.1.015. - Apprentice electrician and/or electrical helper.

(a) Apprentice electricians or helpers shall be permitted to perform the act of or install any electrical work when he or she is on the job site with and under the supervision of a master, journeyman or residential wireman electrician certified and both be in the employ of a licensed electrical contractor. If an apprentice electrician or helper works without the required supervision, both the electrical contractor license holder and the apprentice electrician/helper shall be guilty of this offense.

(1) "Job site" is defined as the property that an individual permit is issued for.

(b) A numeric ratio of apprentices or helpers to certified master, journeyman or residential wireman electricians on any one job site shall not be greater than four apprentices and/or helpers for each certified electrician.

Sec. 4.1.020. - Electricians' certificates—Application—Examination.

Applications for examination for a master electrician's certificate or a journeyman electrician's certificate or a residential wireman electrician's certificate shall be made to the office of the MABCD. The fee for an examination for a master electrician, journeyman electrician or residential wireman electrician shall be established by the Director of the MABCD, to cover the administrative costs.

Applicants for master electrician examination shall provide written documented proof of having a valid journeyman electrician certificate for a minimum of two years.

Applicants for journeyman electrician and residential wireman electrician shall provide written documented proof of at least two years field experience in the electrical construction industry. "Field experience" means working under the direct supervision of a person having a valid journeyman certificate or master certificate or attending an accredited electrical trade school. No more than one year of the requirement may be satisfied by trade related schooling. Schooling shall consist of a minimum of 240 hours classroom training. Documentation shall be the following:

Written letter on company letterhead from employer(s) stating job description and dates of employment and signed by a person qualified in the electrical trade; and

Copy of a transcript or attendance record from an accredited electrical trade school. The electrical examination will be administered in accordance with K.S.A. 12-1525 and amendments thereto, with a minimum passing score of seventy-five percent.

Sec. 4.1.025. - Electrician's certificates—Reciprocity.

Any person with written proof of successful completion of the required electrical master, journeyman or residential wireman electrician test pursuant to K.S.A. 12-1525 and amendments thereto, with a minimum score of seventy-five percent and with proof of having obtained, since January 1, 2006, not less than 12 hours biennially of continuing education approved by the MABCD, shall be issued the appropriate license by the Director of the MABCD or the designated representative. The MABCD shall establish a uniform fee to be charged all applicants for licenses.

Sec. 4.1.030. - Electricians' certificates—Renewal.

(a) The fee for the original certificate for a master electrician, journeyman electrician or residential wireman electrician shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates. This fee shall be paid to the MABCD when the application for a certificate is made. Individuals not holding a certificate at the beginning of the certificate cycle, who obtain a certificate during such certificate cycle by the standardized test required by K.S.A. 12-1525 and any amendments thereto, will be issued the initial certificate without documentation of continuing education. Such certificate will be issued noting the test provider, specific test type and grade. Such test must be completed during that certificate cycle. All such certificates shall expire on the thirty-first of December of each odd-number year. The biennial fee for all certificates shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates.

(b) Individuals passing the examination in the first year of a renewal cycle will need to provide documentation of 12 hours of approved continuing education when renewing their certificate. Not less than 6 hours shall consist of electrical code education. The continuing education shall be attended during the certificate cycle. Individuals passing the examination in the second year of a renewal cycle will need to provide documentation of 6 hours of approved continuing education when renewing their certificate. Not less than 3 hours shall consist of electrical code education. The continuing education shall be attended during the second year of the certificate cycle. Individuals with an active certificate that passed the examination prior to the first year of the renewal cycle must provide written proof of having completed biennially not less than 12 hours of continuing education approved by the MABCD. Not less than 6 hours shall consist of electrical code education. Continuing education shall be provided by the MABCD or a nationally recognized trade association, community college, technical school, technical college or other provider approved by the MABCD. All 12 hours of education shall consist of training relative to electrical construction, maintenance and code up-date training on the electrical code.

(c) Any holder of a certificate who fails to renew the same by March 1st from the date of expiration shall be required to submit one of the following:

- (1) Proof of passing a new examination as required per Section 4.1.020 of this Code; or
- (2) Proof of completing an additional 1½ hours of continuing education for each 3 month period the renewal is late and only when the original certificate was issued pursuant to K.S.A. 12-1525.

Sec. 4.1.040. - Electricians' certificates—Contractor's license—Revocation.

(a) The Board of Electrical Appeals is authorized to cancel, suspend and revoke the certificate of any master electrician, journeyman electrician, certified alarm installer, or residential wireman electrician for any or all of the following reasons:

- (1) Committing of any act in violation of any provisions of this Code, or the refusal or failure to comply with any lawful and reasonable order of the code official or inspector;
- (2) Misrepresentation of a material fact by the applicant in obtaining a certificate;
- (3) Carelessness or negligence in providing reasonable safety measures for the protection of the public.

(b) The Board of Electrical Appeals is authorized to cancel and recall the license of any electrical contractor or alarm contractor for any or all of the following reasons:

- (1) Abandonment of any contract without legal cause;
- (2) Diversion of funds or property received for performance or completion of a specific contract for a specified purpose, in the performance or completion of any contract, and application or use for any other contract, obligation or purpose, or the failure, negligence or refusal to use such funds or property for the performance or completion of said contract;
- (3) Committing of any act in violation of any provisions of this Code, or the refusal or failure to comply with any lawful and reasonable order of the code official or inspector;
- (4) Misrepresentation of a material fact by the applicant in obtaining a license;
- (5) Failure of any contractor to fully certify all claims for labor and material used in the performance of any work for which he has been engaged or for which he has been paid;
- (6) Use of any license to obtain a permit for another as set forth in Section 1.080 of this Code;
- (7) Carelessness or negligence in providing reasonable safety measures for the protection of workmen and the public;
- (8) Failure to obtain permits as required in Section 4.1.110 of this Code;
- (9) Unreasonable delay in the performance and carrying out of any contract;
- (10) Failure by the licensee, if a firm, co partnership or corporation, to have at least one active member or officer who has qualified as and has a master's certificate as provided in Section 4.1.060 of this Code.
- (11) Failure to have the required supervision for apprentice electrician or helper as set forth in Section 4.1.015 of this Code;
- (12) That the license holder is in arrears on payment of electrical permit and/or re-inspection fees.

(13) Misrepresentation of a material fact by a certificate holder on an alarm registration as required by Chapter 3.40 of the Code of the City of Wichita;

(14) Allowing a non-certified individual to utilize certification or certification number for the purposes of completing an alarm registration as required by Chapter 3.40 of the Code of the City of Wichita.

(c) Upon presentation by the code official to the Board of Electrical Appeals of charges against any holder of any certificate, as set forth in this section, the Board of Electrical Appeals shall fix a time and place for a meeting to consider such charges and shall notify the holder of such certificate to be present at such meeting. Such notification shall be in writing and shall be presented to the holder at least five days in advance of the meeting. If upon full hearing of all evidence by the Board of Electrical Appeals it shall be decided that such holder of a certificate has been guilty of any of the actions as hereinbefore set forth in this section, then the board shall have the power to place on probation for a specified time period, temporarily suspend or permanently revoke the license or certificate of the holder thereof.

(d) When a certificate of a person has been revoked, a new certificate shall not be granted until he shall have corrected the violation in accordance with this Code or any ordinance of the city and shall have made application and have passed an examination as required for the original certificate.

Sec. 4.1.045. - Maintenance of electrical systems.

All electrical systems, both existing and new, shall be maintained in a safe condition. All service equipment, devices and safeguards shall be maintained in working order. When interior wall coverings are removed down to the framing members, such walls shall be brought up to the requirements of the latest edition of the National Electrical Code adopted by the MABCD. Any wiring, equipment, apparatus or devices that are replaced or rewired shall meet the latest edition of the National Electrical Code adopted by the MABCD.

Sec. 4.1.050. - Electrical work performed by owner-occupants of owner-occupied or to be owner-occupied detached single-family dwellings.

Repairs, Replacements, and Maintenance. A person who has received approval of a schematic electrical drawing from the electrical inspector or showing the proper electrical symbols and all the circuitry for the complete project, shall be issued a permit to alter, repair, replace, or maintain any electrical work on the load side of the service panelboard in a single-family dwelling used exclusively for living purposes, including the usual accessory buildings in connection with such buildings in the event that such person is the bona fide owner of such dwelling and accessory buildings, and that the same are occupied by the owner, provided, that said owner shall personally perform all labor in connection therewith. Said person shall call for inspections and otherwise observe all the applicable provisions of this Code.

New Installations in Existing Single-family Residences. The owner-occupant of a detached single-family dwelling may obtain a permit for any electrical installations on the load side of the service panelboard in the main structure and the usual accessory buildings thereto upon fulfillment of exam and plan review requirements as outlined elsewhere in this section. The owner obtaining said permit shall personally purchase all materials and shall personally perform

all labor in connection with the permitted project. The owner shall call for all inspections and otherwise observe all the applicable provisions of this Code.

Electrical Installations by Owner-occupants Constructing New Single-family Residences. Persons constructing a new detached single-family residence for their own personal use may be permitted to install all electrical work, on the load side of the service panelboard, in the main structure and the usual accessory structures thereto upon fulfillment of exam and plan review requirements as outlined elsewhere in this section. The owner-occupant shall call for inspections and otherwise observe all of the applicable provisions of this Code; provided, however, that the service entrance raceway, service entrance conductors, meter base, and service panelboard shall be installed by a licensed electrical contractor. The contractor shall call for the service related inspections.

Examinations and Plan Reviews for Installations Required. Owner-occupants applying for permits for installations as outlined above shall first qualify themselves by successfully passing a simplified open book examination dealing with relevant provisions of the Electrical Code. The fee for said examination shall be established by the Director of the MABCD to cover the administrative costs. Successful passage of the examination shall qualify the applicant for future permits until the time of the adoption of another edition of the National Electrical Code by the MABCD.

The following shall apply only within the City of Wichita jurisdiction:

Prior to permit approval, the applicant shall submit a plan of the installation drawn in a format acceptable in sufficient details to satisfy the code official of the overall code compliance of the anticipated drawing showing the proper electrical symbols and all the circuitry for the complete project. The fee for such plan review shall be established by the Director of the MABCD to cover the administrative costs. Plan submissions requiring extensive review and/or modification may be billed at a rate established by the Director of the MABCD to cover the administrative costs for each additional half hour or portion thereof beyond the original half hour upon prior notification of the applicant of such additional charges.

Permit fees shall be as set forth elsewhere in this Section and in Article 2 of this Code; provided, however, that each additional inspection owing to detected code deficiencies requiring correction shall be billed at a rate established by the Director of the MABCD to cover the administrative costs. Permits for electrical installations shall be limited to one in three years to each applicant unless a waiver is obtained, upon written application, from the board of electrical appeals.

Sec. 4.1.060. - License—Issuance of general electrical.

One electrical license may be issued to any person who is the owner or full time employee of one company only, possessing a valid master electrician's certificate issued by the MABCD, which license shall expire on the thirty-first day of December of the year in which issued. An electrical license may be issued to any firm or corporation of which at least one active member or officer who devotes full time to that firm or corporation and has qualified as and holds a master electrician's certificate; provided a separate license shall be issued for each place of business operated by such firm or corporation.

Sec. 4.1.070. - Electrical license—Elevator restrictions.

An electrical license shall authorize the holder thereof to install feeder conductors to the line side of the elevator controller but shall not authorize the holder thereof to do electrical work on the load side of the controller of such elevator.

Sec. 4.1.080. - License—Misuse.

No license holder shall permit the use of his name by any other person, either directly or indirectly, for the purpose of obtaining a permit or for the purpose of doing any electrical work under his license.

Sec. 4.1.090. - Firm or corporation wiring.

Any person not engaged in the business of electrical installation, within the scope of this Code, who has in his regular and permanent employ a person or persons who possess current and valid master electrician certificates, shall be permitted to have such person or persons install electrical wiring or otherwise perform electrical work in or on buildings or premises that are owned, leased, operated or managed by him. This shall not be construed, however, to allow the installation of electrical wiring in new buildings or to additions to existing buildings. Permits shall be obtained for such work as required in Section 4.1.110 of this Code, and the same shall be issued to the person causing the work to be done.

Sec. 4.1.100. - Re-inspection—Discontinued service.

An electrical inspection shall be required on structures from which the service has been disconnected and structures which have not been in use for six months or more prior to the restoration of service. An application shall be made and the fee set forth in Section 4.1.110 of this Code shall be paid to receive such inspection. If the system is found to be satisfactory, the code official or inspector shall notify the electrical utility that service be restored.

Sec. 4.1.110. - Electrical permit required—Fees listed. See [Article 1.2](#) of this Code

Sec. 4.1.120. - Work exempt from permit.

The following work shall be exempt from the requirement for a permit.

- (a) Listed cord and plug connected temporary decorative lighting;
- (b) Repair or replacement of branch circuit overcurrent devices of the required capacity in the same location; and
- (c) Communication wiring except as required by Chapter 3.40 of the Code of the City of Wichita.

In the Sedgwick County jurisdiction, the following installations are additionally exempt from permit:

- (d) Temporary wiring for experimental purposes in suitable experimental laboratories; and
- (e) Electrical wiring devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy.

Exemption from the permit requirements of this Code shall not be deemed to grant authorization for work to be done in violation of the provisions of this Code or other laws or ordinances of this jurisdiction.

"Temporary" as used in this section is a period of time not to exceed ninety (90) days in a calendar year.

Sec. 4.1.130. - Permits not authority to violate title.

The issuance of granting of a permit shall not be deemed or construed to be a permit for or an approval of any violation of any of the provisions of this Code. No permit presuming to give authority to violate or cancel the provisions of this Code shall be valid, except insofar as the work or use which it authorizes is lawful.

Sec. 4.1.140. - Permits—Expiration—New permit required.

Every permit issued by the building official under the provisions of this Code shall expire by limitation and become null and void if the work authorized by the permit is not commenced within one hundred eighty days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced, for a period of one hundred eighty days, or one hundred eighty days has expired since an inspection, as required in Section 2.020 of this Code, was requested and such inspection was approved by the building authority.

Sec. 4.1.150. - Truth in advertising requirements. See [Article 1.4\(d\)](#) of this Code

Sec. 4.1.160. - Identification of service vehicles. See [Article 1.4\(b\)](#) of this Code

Sec. 4.1.170. – Insurance Requirements. See [Article 1.4\(c\)](#) of this Code.

ARTICLE 4, SECTION 2 - WIRING INSTALLATION REGULATIONS

Sec. 4.2.010. - Installation standards.

All electrical installations made shall be in strict conformity with the provisions of this Code. If sections contained within this Code, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the National Electrical Code, 2011 Edition including Informative Annex C (Conduit and Tubing Fill Tables), as published by the National Fire Protection Association as N.F.P.A. No. 70-2011, as presently constituted and as may be hereinafter amended, shall apply with the exception of Section 110.16; Section 110.24; Section 200.6(d); Section 210.4(b); Section 210.5(c); Section 210.12; Section 210.52(c)(1); Section 230.24(A) Exception No. 5; Section 230.40; Section 250.68(a) Exception No. 2; Section 300.4(H); Section 300.11(a)(2); Section 314.28; Section

334.10; Section 334.12(a)(1) Exception; Section 334.40(b); Section 334.80; Section 406.4(e); Section 406.8(b)(1) and (2); 410.64; Section 430.22(G)(1); Section 430.22(G)(2); Section 514.11; Section 590.4(D); Section 590.6(B)(2); Section 600.3; and Section 680.8; of such publication. Said N.F.P.A. No. 70-2011, was adopted by the National Fire Protection Association at its 2010 June Technical Session and approved as an American National Standard on August 25, 2010. By this publication, all provisions of such publication, with noted exceptions, are adopted by reference and made a part of this Code, and this Section as though fully set forth herein.

Sec. 4.2.020. - Wiring to be inspected prior to concealing.

Before any electric wiring or raceway is concealed from view during the course of construction, the person doing the work shall notify the electrical inspector that such work is ready for inspection. The electrical inspector shall inspect such work within forty-eight hours, provided such limit of time comes upon a regular working day of the inspector. If any defects exist, the electrical contractor shall be notified and he shall rectify the same and request an inspection before the work is concealed. The code official shall have the authority to require any concealment to be removed. Failure to comply with this order of the code official shall result in condemnation of the structure or any part thereof and prohibition of occupancy.

The electrical inspector shall be notified by the electrical contractor when the electrical work is completed and ready for inspection; and if such work conforms with this Code, the installation shall be released to the utility company for service connection.

When the electrical inspector observes or it is called to his attention that any electrical work is installed contrary to or in violation of any provisions of this code, it shall be his duty to immediately notify the person responsible for the installation that the violation or violations exist. All defective or substandard installations shall be corrected within forty-eight hours from time of notification by the electrical inspector.

It is unlawful for any person or utility company to connect any electrical wiring, device, appliance or equipment, for which a permit or approval is required, to any source of electrical energy without first having approval by the electrical inspector for the connection.

When requested and upon completion of the work, a certificate of inspection shall be issued showing that such work meets the requirements of this Code.

Sec. 4.2.025. - Inspection required.

Any person, firm or corporation who installs any electrical wiring shall request the inspection when the electrical work is completed and ready for inspection. It shall be the duty of the person requesting any inspection required by this Code, to provide access to and means for inspection of such work.

Sec. 4.2.030. - Reinspection of wiring, etc.

The electrical inspector shall make a thorough reinspection of all electrical wiring devices, appliances and equipment whenever deemed advisable within or on any building or premises. When the installation of any electric wiring, device, appliance or equipment is found to be in

dangerous and unsafe condition and in noncompliance with this Code, the person owning, using or operating the same shall be notified in writing and shall make the necessary repairs and changes required to place such wiring, device, appliance or equipment in compliance with this Code within the time specified in the notice. Upon failure to comply with the written notice and payment of reinspection fee, the electrical inspector is hereby authorized to notify the utility company supplying electric energy to such building or premises to discontinue electric service and to continue to do so until instructed by the electrical inspector that service may be restored.

Sec. 4.2.040. - Number of service—Entrance conductor sets.

Section 230.40 of the National Electrical Code shall be amended to read as follows:

Number of Service-Entrance Conductor Sets. Each building shall be supplied by only one service drop or lateral. Each service drop or lateral shall supply only one set (or sets where connected in parallel) of service-entrance conductors. All service-entrance conductors shall terminate at the same location.

Exception #1: Where two to six service disconnecting means in separate enclosures are grouped at one location, one set of service-entrance conductors shall be permitted to supply each such service equipment enclosure.

Exception #2: A two family dwelling unit without an approved area separation wall as defined by the currently adopted Building Code, and served from one service drop or lateral, shall be permitted to have one set of service entrance conductors run to each dwelling unit without the mains from both units being located together.

Sec. 4.2.050. - Services—Maximum amps, volts, etc.

A. Service Length. Unfused service entrance conductors shall not be extended more than fifteen feet inside any building.

B. Service Disconnects. Main disconnects shall be installed on the load side of the utility company's meters where not more than six meters and service equipment are grouped together. Where there is an existing main disconnect ahead of six meters or less and all the services are completely revamped, the main disconnects shall be relocated on the load side of the meters.

Sec. 4.2.060. - Branch circuit panelboard requirements.

All panels installed shall be sufficiently large enough to provide four blank spaces or four overcurrent protective devices for future use.

Sec. 4.2.070. - Conductor requirements.

A. *Commercial and Industrial.*

(1) *Type.* All commercial and industrial wiring conductors rated two hundred amperes or less, including all service conductors required to be installed by the licensed electrical contractor, shall be copper. For parallel conductors, each individual conductor of a parallel set shall meet the requirements of this section. Parallel conductors are not to be considered

a single conductor.

Exception. Feeder circuit and branch circuit conductors rated one hundred amperes or more, may be aluminum or copper-clad aluminum, provided panelboards or disconnect switches served by such circuits are marked by the manufacturer as being suitable for aluminum or copper-clad aluminum termination. (Effective 2/1/82).

(2) *Minimum Size.* The minimum size conductors shall be No. 12 AWG copper, except smaller sizes will be acceptable for control wiring.

B. *Residential.* In the jurisdiction of the City of Wichita, all residential and accessory building wiring conductors less than 100 amperes shall be copper. In the jurisdiction for Sedgwick County all residential and accessory building wiring conductors less than 100 amperes can be copper or aluminum.

Sec. 4.2.080. - Concrete-encased electrode.

The grounding electrode conductor to a concrete-encased electrode shall be not less than that required in Table 250.66 of the National Electrical Code.

Sec. 4.2.090. - Color code—Branch circuits.

Where installed in raceways, as cable or as open work, all conductors connected to the same system shall conform to the following color code:

Three-phase, four-wire 120/208 volt - phase A - black, phase B - red, phase C - blue, grounded conductor - white;

Three-phase, four-wire 277/480 volt—phase A - brown, phase B - orange, phase C - yellow, grounded conductor - gray.

The grounded conductor of a three wire 240 volt delta system shall be identified by alternating white and red stripes encircling the conductor.

The grounded conductor of a three wire 480 volt delta system shall be identified by alternating gray and orange stripes encircling the conductor.

Ungrounded circuit conductors used as travelers between 3-way and 4-way switches may be of colors other than those specified.

All conductor sizes 6 AWG or smaller shall be identified by a continuous outer finish along its entire length. Sizes larger than 6AWG shall be identified, at time of installation, by distinctive color markings at its terminations. This marking shall encircle the conductor or insulation.

All circuit conductors of the same color shall be connected to the same ungrounded conductor throughout the premises wiring system(s).

Sec. 4.2.100. - Smoke detector requirements.

Reference shall be made to the appropriate sections of the Title 15 in the jurisdiction of the City

of Wichita and Title 12 for the jurisdiction of Sedgwick County.

Sec. 4.2.110. - Splicing of service-entrance conductors.

Service-entrance conductors shall not be spliced.

Exception No. 1: Clamped or bolted connections in metering equipment enclosures shall be permitted.

Exception No. 2: Where service-entrance conductors are tapped to supply two to six disconnecting means grouped at a common location.

Exception No. 3: At a properly enclosed junction point where an underground wiring method is changed to another type of wiring method.

Exception No. 4: A connection shall be permitted where service conductors are extended from a service drop to an outside meter location and returned to connect to the service-entrance conductors of an existing installation.

Exception No. 5: Where service-entrance conductors consist of busway, connections shall be permitted as required to assemble the various sections and fittings.

Sec. 4.2.120. - Switches—Height of.

All switches located outside of a building shall be placed not less than six feet above the finish grade unless they are of the dead front pullout type, or heavy duty type.

Exception. Commercial and industrial installations which are accessible only to authorized personnel.

Sec. 4.2.125. - Type NM, NMC and NMS cable ampacity.

The ampacity of Types NM, NMC, and NMS cable shall be determined in accordance with 310.16. The ampacity shall be in accordance with the 60°C (140°F) conductor temperature rating.

Sec. 4.2.130. - NM Cable connectors.

Two piece NM Cable connectors, commonly known as Tomic connectors, shall be permitted to have a maximum of 3 cables in each connector.

Sec. 4.2.135. - Type NM, NMC and NMS cable ran exposed in unfinished basements.

Article 334.15(c) of the National Electrical Code shall be amended to read:

(C) In Unfinished Basements. Where cable is run at angles with joists in unfinished basements, it shall be permissible to secure cables not smaller than two 6 AWG or three 8 AWG conductors directly to the lower edges of the joists. Smaller cables shall be run either through bored holes in joists or on running boards. NM cable installed on the wall of an

unfinished basement shall be permitted to be installed in a listed conduit or tubing or shall be protected in accordance with Article 300.4. Conduit or tubing shall be provided with a suitable insulating bushing or adapter at the point the cable enters the raceway. The NM cable sheath shall extend through the conduit or tubing and into the outlet or device box not less than 6 mm (¼ in.). The cable shall be secured within 300 mm (12 in.) of the point where the cable enters the conduit or tubing. Metal conduit, tubing, and metal outlet boxes shall be connected to the equipment grounding conductor.

Sec. 4.2.140. - Arc-making devices—Clearance from gas meters.

All switches, motors, receptacles, meter, or other arc-making devices shall have a minimum clearance of three feet in any direction from any gas meter when such equipment is installed inside of a building and in the same room as the gas meter.

Sec. 4.2.150. - Ceiling grid support wires.

The following is added to the section 300.11(A)(2) of the National Electrical Code:

Exception No. 2: MC cable or flexible metal conduit may be attached to the ceiling grid support wires serving lighting fixtures located within the ceiling grid area where all the following conditions apply.

1. The MC cable or flexible metal conduit must not be larger than trade size ½ inch.
2. Only a single MC cable or flexible metal conduit may be attached per ceiling grid support wire.
3. Only clips or devices approved for the purpose may be used to attach the MC cable or flex to the support wires.

Sec. 4.2.160. - Sewage ejector pumps.

All sewage ejector pumps shall be installed on individual motor branch circuits.

Sec. 4.2.165. - Sewage ejector pumps and sump pumps.

In a dwelling, ground fault circuit interrupter protection shall not be required on a sewage ejector pump or sump pump that is cord and plug connected to a single receptacle installed on a dedicated circuit.

Sec. 4.2.166. - Residential garage door opener.

In a dwelling, ground fault circuit interrupter protection shall not be required on an overhead garage door opener that is cord and plug connected to a single receptacle installed in the ceiling directly above the overhead garage door opener motor.

Sec. 4.2.170. - Conduit bodies.

Section 314.28 of the National Electrical Code shall be amended to read as follows: Boxes and conduit bodies trade size over 2 inches used as pull or junction boxes shall comply with 314.28(A) through (D).

Sec. 4.2.175. - Arc-Fault Circuit-Interrupter Protection.

(A) Definition: Arc-Fault Circuit Interrupter. An arc-fault circuit interrupter is a device intended to provide protection from the effects of arc faults by recognizing characteristics unique to arcing and by functioning to de-energize the circuit when an arc fault is detected.

(B) Dwelling Unit Bedrooms. All 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit bedrooms shall be protected by a listed arc-fault circuit interrupter, combination type installed to provide protection of the branch circuit.

Exception: The location of the arc-fault circuit interrupter shall be permitted to be at other than the origination of the branch circuit in compliance with (a) and (b):

(a) The arc-fault circuit interrupter installed within 1.8 m (6 ft) of the branch circuit overcurrent device as measured along the branch circuit conductors.

(b) The circuit conductors between the branch circuit overcurrent device and the arc-fault circuit interrupter shall be installed in a metal raceway or a cable with a metallic sheath.

Sec. 4.2.180. - Nonmetallic-sheathed cable: Type NM, NMC, and NMS.

Uses permitted: Type NM, Type NMC and Type NMS cable shall be permitted to be used only in one- and two-family dwellings and their accessory structures and multifamily dwelling units. The structure shall not exceed three floors above grade. These structures shall be served only by single-phase services.

Sec. 4.2.185. - Receptacles in countertops not to be installed face-up.

Section 406.4(E) of the 2005 National Electrical Code shall be amended to read as follows:

(E) Receptacles in Countertops and Similar Work Surfaces. Receptacles shall not be installed in a face-up position in countertops or similar work surfaces.

Sec. 4.2.186. - Receptacle behind a range or sink.

Section 210.52(c)(1) exception of the National Electrical Code shall be amended to read as follows:

Exception: Receptacle outlets shall not be required on a wall directly behind a range or sink.

Sec. 4.2.190. - Receptacles in wet locations.

Section 406.8(B)(1) & (2) of the National Electrical Code shall be amended to read as follows:

(B) Wet Locations. All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles shall be listed weather-resistant type. All receptacles installed in a wet location shall comply with either of the following:

- (1) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.
- (2) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

Sec. 4.2.193. - Lighting outlets required.

The following requirements for lighting outlets are in addition to the requirements in the latest edition of the National Electrical Code adopted by the MABCD.

A. Residential unfinished basements. Each storage area and all future habitable spaces, as defined by the currently adopted Building Code, that are in the framed-in stage shall have a lighting outlet with a wall-mounted switch for each area or room. Lighting outlets containing a switch shall be controlled by a wall switch.

B. Commercial storage units. Each storage unit shall have a lighting outlet inside the unit with a switch located at the usual point of entry to the storage unit. This luminaire shall be of the type that has a completely enclosed light source.

Exception: Structures that are not on a permanent foundation.

Sec. 4.2.195. - Pools shall not be located under overhead wiring.

Section 680.8 of the National Electrical Code shall be amended to read as follows: The following parts of pools shall not be placed under existing electrical, communication, CATV, Network powered Broadband conductors or any other overhead wiring; nor shall such wiring be installed above the following:

- (1) Pools and the area extending 10 ft horizontally from the inside of the walls of the pool,
- (2) Diving structure, or
- (3) Observation stands, towers or platforms.

Sec. 4.2.200. - Permitted use of multiplex cable.

Multiplex cable may be installed as an approved wiring method for outdoor aerial use only, with

the following restrictions.

- (a) Permitted for outside aerial use only.
- (b) Minimum wire size shall be: #1 aluminum or #8 copper.
- (c) In all cases, the phase conductors and the neutral conductor must be insulated and identified.
- (d) The ampacity of the conductors must comply with the values for the respective size and conductor material as listed in the seventy-five degree column of the Ampacity Tables of the latest adopted edition of the National Electrical Code.

Sec. 4.2.210. - Temporary construction service requirements.

Temporary services used during construction, remodeling or repair of buildings or structures shall not be attached to a building. The temporary service shall have a minimum of one 125-volt 20-amp receptacle and one 125/250-volt 30-amp twist lock receptacle NEMA L14-30, and meet all other requirements of the latest edition of the National Electrical Code adopted by the MABCD.

Sec. 4.2.220 - Conduits exposed to sunlight on rooftops.

Where conductors or cables are installed in conduits with a horizontal length exceeding 6 feet and exposed to direct sunlight on or above rooftops, the adjustments shown in Table 310.15(B)(2)(c) shall be added to the outdoor temperature to determine the applicable ambient temperature for application of the correction factors in Table 310.16 and Table 310.18 of the National Electrical Code.

Sec. 4.2.230. - Provisions for heating units.

This Section 4.2.230 only applies in the jurisdiction of the City of Wichita.

Where a heating unit is installed for the unit or space intended for human occupancy per the requirements set forth in Article 5, the heating unit shall be directly wired into the building wiring with a disconnecting means installed in a readily accessible location within sight from the heating unit.

Article 4, Section 3 - MOBILE HOMES

Sec. 4.3.010. - Manufactured home installer's license—Required.

It is unlawful for any person to engage in the business, trade or otherwise perform the act of installing electric wiring or of the installation of electrical equipment, devices or apparatus for light, heat, or power purposes in or on any mobile or manufactured home without having secured a manufactured home installer's license from the State of Kansas pursuant to the Manufactured Housing Act, K.S.A. 58-4202, *et seq.* and amendments thereto.

Exception. Any person possessing a valid electrical contractor's license as provided for under the

provisions of this Code shall be permitted to perform any act set forth in this section.

Sec. 4.3.020. - Permits and fees. See also [Article 1.2](#) of this Code.

A permit shall be obtained to install any wiring in, on or to any mobile or manufactured home or accessory structure and the permit fee computed as detailed in Section 4.1.110 of this Code.

Sec. 4.3.030. - Conductor requirements.

In the jurisdiction of the City of Wichita, all mobile or manufactured home and accessory building wiring conductors rated two hundred amperes or less, including all service conductors that are not owned and maintained by the electrical utility company, shall be copper. In the jurisdiction of Sedgwick County, all mobile or manufactured home and accessory building wiring conductors rated two hundred amperes or less, including all service conductors that are not owned and maintained by the electrical utility company, can be copper or aluminum.

Article 4, Section 4 - PREFABRICATED ASSEMBLIES

Sec. 4.4.010. - Definitions.

The following definitions shall apply in the interpretation of this chapter:

- (1) "Prefabricated assembly" means a structural unit, the integral parts of which have been built up or assembled prior to incorporation in the building or to being erected as a building unit.
- (2) "Approved agency" means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the building official (Director of the MABCD).

Sec. 4.4.020. - Certificates of approval.

A certificate of approval by an approved agency shall be furnished with every prefabricated assembly, except where the assembly is readily accessible to inspection at the site. The certificate of approval shall certify that the assembly in question has been inspected and meets all the requirements of Article 4 of this Code.

Sec. 4.4.030. - Field erection.

Placement of prefabricated assemblies at the building site shall be inspected by the electrical inspector to determine compliance herewith.

Sec. 4.4.040. - Master electrician's certificate or approved agency certification.

The installation of electrical wiring for equipment, apparatus or devices for light, heat or power purposes within or on any prefabricated assembly to be erected shall be performed under the supervision of a person who has secured a master electrician's certificate as set forth in Sections 4.1.020 and 4.1.030 of this Code, or shall have been factory installed and inspected by an agency

approved by the building official as provided in Section 4.1.010 of this Code.

Sec. 4.4.050. - Permits and fees. See also [Article 1.2](#) of this Code.

A permit shall be obtained to install any prefabricated assembly and the permit fee computed as detailed in Section 4.1.110 of this Code.

Article 4, Section 5 - ELEVATORS AND ESCALATORS

Sec. 4.5.010. - Purpose.

The purpose of this chapter is to safeguard life, limb, property, and public welfare by establishing minimum requirements regulating the design, construction, alteration, operation, and maintenance of elevators, dumbwaiters, escalators, and moving walks, and by establishing procedures by which these requirements may be enforced. The purpose of this code is not to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected or benefited by the terms of this Code.

Sec. 4.5.020. - Installation standards.

(A) All elevators, dumbwaiters, escalators, moving walks, material lifts and related hoistways installations made shall be in strict conformity with the provisions of this Code and with the approved standards of construction, for safety to life and property. If sections contained within this Code, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the ANSI/ASME A17.1-2004 Safety Code for Elevators and Escalators with all the addendums thereto, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of elevators, handicapped accessibility lifts, dumbwaiters, escalators and moving walks and their hoistways with the exception of Section 8.11.5.2. All elevators, escalators, and related equipment, shall be subject to the applicable acceptance and periodic inspections and tests as specified in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. The periodic inspections and periodic tests of category 1 shall be made at intervals not longer than one year. The periodic tests of category 3 and 5 shall be made at intervals not longer than five years. By this publication, all provisions of such publication, are adopted by reference and made a part of this Code, and this Section as though fully set forth herein.

(B) All handicapped accessibility lifts, inclined stairway chairlifts, inclined and vertical platform lifts, and private residence inclined stairway chairlifts and private residence inclined and vertical platform lifts shall be in strict conformity with the provisions of this Code and with the approved standards of construction, for safety to life and property. If sections contained within this Code, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the ANSI/ASME A18.1-2003 Safety Standard for Platform Lifts and Stairway Chairlifts with all addendums thereto, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of handicapped accessibility lifts. All handicapped accessibility lifts, inclined stairway chairlifts, inclined and vertical

platform lifts, and private residence inclined stairway chairlifts and private residence inclined and vertical platform lifts and related equipment, shall be subject to the applicable acceptance tests as specified in the currently adopted edition of the ANSI/ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. All handicapped accessibility lifts, inclined stairway chairlifts, inclined and vertical platform lifts, except private residence, shall be subject to periodic inspections and one year and five year periodic tests as specified in the currently adopted edition of the ANSI/ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. The periodic inspections shall be made at intervals not longer than one year. By this publication, all provisions of such publication, are adopted by reference and made a part of this Code, and this Section as though fully set forth herein.

Sec. 4.5.030. - Definitions.

"Elevator" as used in this Code, is inclusive of elevators, escalators, dumbwaiters, moving walks and material lifts.

"Handicapped accessibility lift" means a hoisting and lowering mechanism equipped with a car, platform or chair that is installed in locations for use by the physically handicapped. For purposes of this Code, this definition specifically refers to the following devices: Inclined stairway chairlifts, inclined and vertical platform lifts, and private residence inclined stairway chairlifts and private residence inclined and vertical platform lifts.

"Modernization," as used in this Code, means updating all aspects of the car, platform, hoistway, machine room and all related equipment. The requirements set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers shall apply.

Sec. 4.5.040. - Elevator inspectors—Appointments—Duties.

Within the jurisdiction of the City of Wichita, all elevator inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master and hold a current elevator inspector's certificate and shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Within the jurisdiction of Sedgwick County, all elevator inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master, and hold a current elevator inspector's certificate, or in lieu of such experience and certification, shall hold a current and valid elevator inspector certificate issued by an approved testing agency as determined by the Director of the MABCD, and have two (2) years' experience in elevator installations. Each inspector shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Upon satisfaction of the minimum qualifications for the appropriate jurisdiction, the Director of the MABCD shall have the discretion to appoint the employees as a combination inspector.

Sec. 4.5.050. - Elevator inspectors—Authority to issue written notices.

The elevator inspector shall issue a written notice for any failure to correct a violation of this code. Should any person, firm or corporation served by such notice fail or refuse to comply with the orders contained in the notice within the time specified therein, the elevator inspector shall have the authority to remove from service any elevator, escalator or related equipment and/or such person, firm or corporation shall be subject to the penalties provided for in Article 1.2 of this Code.

Sec. 4.5.060. - Elevator inspectors—Right of entry.

In order to carry out the provisions of this Code, the elevator inspectors shall have the authority during reasonable hours to enter any building or upon any premises in the discharge of their duties for the purpose of making inspections and tests of an installation of elevators, handicapped accessibility lifts, dumbwaiters, escalators, moving walks and related hoistways.

Sec. 4.5.070. - Elevator inspectors—Authority to remove from service.

The elevator inspector shall have the authority to remove from service or cause to be removed from service, any elevator or escalator when necessary for the protection of life or property, and shall order the equipment out of service until the same is made safe and conforms to the standards set forth in this Section and verified by the inspector.

Sec. 4.5.080. - Liability of persons owning or installing elevators or escalators.

This Section shall not be construed to relieve from liability or to lessen the responsibility of any person owning, controlling or installing any elevators, handicapped accessibility lifts, dumbwaiters, escalators and moving walks. Neither the City of Wichita nor Sedgwick County shall not be held as assuming any liability of any nature by reason of the inspection authorized in this Code or certificate issued, and no officer or employee charged with the enforcement of this Code shall be held personally liable for any damage that may accrue to persons or property as a result of any act required or committed in the discharge of his duties.

Sec. 4.5.085. - Penalties for violations. See [Article 1.2](#) of this Code.

Sec. 4.5.090. - Elevator or handicapped accessibility lifts license—Required.

It is unlawful for any person to engage in the business of the installation or repair of elevators, handicapped accessibility lifts, dumbwaiters, escalators or moving walks in or on any building or premises without having secured an elevator license from the Director of the MABCD.

Sec. 4.5.095. - Master and journeyman electrical elevator certificates—Required.

It is unlawful for any person to engage in the business of elevator or handicapped accessibility lifts contracting without first having secured a master elevator certificate as provided for in this Code. The master shall be responsible for all work encompassed in the inspection requested by and/or on the permit issued.

It is further unlawful for any person to engage in the trade or otherwise perform the act of installing or repairing elevator, handicapped accessibility lifts, dumbwaiters, escalators or moving walks within or on any building or premises without first having secured a master or journeyman elevator's certificate as herein provided for and be in the employ of a licensed elevator or handicapped accessibility lifts contractor.

Sec. 4.5.096. - Apprentice elevator mechanic and/or helper.

(a) Apprentice elevator mechanic or helper shall be permitted to perform the act of installing or repairing elevators, handicapped accessibility lifts, dumbwaiters, escalators or moving walks when he or she is on the job site with and under the supervision of a master or journeyman elevator mechanic certified by this Code and both be in the employ of a licensed electrical contractor. If an apprentice or helper works without the required supervision, both the elevator contractor license holder and the apprentice/helper shall be guilty of this offense.

(1) "*Job site*" is defined as the property that an individual permit is issued for.

(b) A numeric ratio of apprentices or helpers to certified master or journeyman elevator mechanics on any job site shall not be greater than four (4) apprentices and/or helpers for each certified elevator mechanic.

Sec. 4.5.100. - Elevators' certificates—Application—Examination—Renewal.

Applications for examination for a master elevators certificate shall be made to the MABCD. Applicants for the elevators examination shall provide written documented proof of at least four (4) years practical experience as a mechanic or mechanic apprentice in the elevator or handicapped accessibility lift construction industry or attending an accredited elevator trade school. No more than one (1) year of the requirement may be satisfied by trade related schooling consisting of minimum of two hundred forty (240) hours classroom training.

Documentation shall be the following:

- (1) written letter on company letterhead from employer(s) stating job description and dates of employment;
- (2) copy of a transcript or attendance record from an accredited elevator trade school;
- (3) a written letter on a city letterhead from the building official or elevator inspection division of a city where the applicant is licensed as an elevator or handicapped accessibility lift contractor, or is certified by that city as an electrical elevator master and stating the length of time of the certification or license.

The fee for an examination and original certificate for an elevator master shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates. This fee shall be paid to the MABCD when the application for an examination is made. Such certificate shall expire on December 31st of each odd-number year.

The biennial fee for renewal of this certificate shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates. Any holder of a certificate who fails to renew the same by March 1st from the date of expiration shall be required to take a

new examination before receiving a new certificate.

A ninety (90) day temporary journeyman elevator certificate may be issued to an applicant providing documented proof of at least four (4) years practical experience in the elevator or handicapped accessibility lift construction industry.

Documentation shall be one of the following:

- (1) written letter on company letterhead from employer(s) stating job description and dates of employment;
- (2) a written letter on a city letterhead from the building official or elevator inspection division of a city where the applicant is licensed as an elevator or handicapped accessibility lift contractor, or is certified by that city as an electrical elevator master and stating the length of time of the certification or license.

The fee for this certificate shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates. Such certificates shall be limited to one in twenty-four (24) months to each applicant.

Sec. 4.5.105. - Elevator certificates—Reciprocity.

Any person with written proof of successful completion of the required elevator master test promulgated or administered, or both, by Prometric, a current subsidiary of educational testing services, with a minimum score of seventy-five (75) percent, since January 1, 2006 or any person with written proof of successful completion of the QEI-1 test promulgated or administered, or both, by National Association of Elevator Safety Authorities International, Elevator Industry Work Preservation Fund or QEI Services - Robinson Elevator Group, with a minimum score of seventy-five (75) percent, since January 1, 2006 shall be issued the appropriate certificate. The MABCD shall establish a uniform fee to be charged for certificates.

Sec. 4.5.110. - License—Issuance of elevator.

Any person, firm or corporation shall be issued an elevator license, provided such person or one active officer of the firm or corporation who devotes full time to that firm or corporation shall have submitted evidence and has qualified as to experience and ability in matters pertaining to the installation and maintenance of elevators. Such experience and ability must be confirmed by successful passage of an examination as required in Section 4.5.100 of this Code. The license shall expire on the thirty-first of December of the year in which so issued.

Sec. 4.5.120. - Elevator license—Restrictions.

Elevator licenses shall permit the holders thereof to install only electrical work on the elevator side of the feed wire connection to the controller, including the control board, elevator motors, signals and lights, and to do all other wiring required for the control and operation of the elevators. All electrical work performed under licenses issued in conformance with this section must be in conformance with the provisions of this Code.

Sec. 4.5.130. - Electrical elevator certificates—Elevator contractor's license—Revocation.

Electrical elevator certificates and elevator contractor's license requirements and revocation procedures shall be the same as provided for under Section 4.1.040.

Sec. 4.5.140. - License—Issuance of handicapped accessibility lifts contractor.

Any person, firm or corporation shall be issued an handicapped accessibility lifts license, provided such person or one active member or officer of the firm or corporation who devotes full time to that firm or corporation shall have submitted evidence of qualifications and experience and has been examined as required in Section 4.5.100 of this Code in handicapped accessibility lifts. The license shall expire on the thirty-first of December of the year in which so issued.

Sec. 4.5.150. - Handicapped accessibility lifts license—Restrictions.

Handicapped accessibility lifts licenses shall permit the holders thereof to install only electrical work on the load side of the disconnect or controller of the handicapped accessibility lift, including motors, signals and lights and to do all other wiring required for the control and operation of the handicapped accessibility lift. All electrical work performed under licenses issued in conformance with this section must be in conformance with this Code.

Sec. 4.5.160. - Handicapped accessibility lifts contractor's license—Revocation.

Handicapped accessibility lifts contractor's license requirements and revocation procedures shall be the same as provided for under Section 4.1.040 of this Code.

Sec. 4.5.170. - License—Misuse.

No license holder shall permit the use of his name by any other person or entity, either directly or indirectly, for the purpose of obtaining a permit or for the purpose of doing any elevator, handicapped accessibility lift, dumbwaiter, escalator or moving walk work under his license.

Sec. 4.5.180. - Owners requesting elevator removed from service.

Owners requesting an elevator removed from service shall have the elevator contractor perform the following:

- (A) Hydraulic Elevator: Open the manual lowering valve and land the elevator car on the springs. Remove the hydraulic fluid.
- (B) Traction Elevator: Lower the elevator car and land on the springs. Remove the hoist cables.

Sec. 4.5.190. - Alterations and repairs.

The following alterations and/or repairs require permits from the MABCD:

- (1) Increase in rated load or speed;
- (2) Increase or decrease in dead weight of car;
- (3) Increase or decrease in travel;
- (4) Change in type of operation or control;
- (5) Replacement, change in size, length or number of suspension ropes, belts or chains;
- (6) Replacement, change in size or length of safety or governor ropes;
- (7) Replacement, change in size or type of guide rails;
- (8) Replacement, change in type or addition of a car or counterweight safety;
- (9) Change in power supply;
- (10) Replacement of an existing machine by a new driving machine;
- (11) Replacement of an existing governor by a new governor;
- (12) Replacement of an existing controller by a new controller;
- (13) Replacement of an existing driving machine brake by a new brake;
- (14) Replacement of tanks or anticreep leveling device;
- (15) Replacement of pump, motor or valves;
- (16) Replacement of hoistway doors;
- (17) Replacement of hoistway door re-opening devices;
- (18) Addition of hoistway-door locking devices or car-door or gate electric contacts;
- (19) Addition of hoistway access switches;
- (20) Addition of top-of-car operating devices;
- (21) Addition of top-of-car, hoistway-door and/or car-door or gate operating devices;
- (22) Addition of rope equalizers;
- (23) Addition of auxiliary rope-fastening devices;
- (24) Addition of car-leveling or truck-zoning devices;
- (25) Addition of roller guide shoes;
- (26) Addition of automatic transfer device;
- (27) Addition of fire service;
- (28) Addition of ADA compliant devices;

- (29) Replacement of hydraulic cylinder or plunger;
- (30) Replacement, addition or removal of canopy, wall or floor covering;
- (31) Replacement of car operation panel;
- (32) Prior to placing an elevator back in service after it has been red tagged;
- (33) Replacement of escalator step(s).

Sec. 4.5.195. - Elevator inspected prior to use.

All new and red tagged elevators shall be inspected and approved prior to use by the public. The elevator contractor shall notify the elevator inspector two business days before the elevator is ready for inspection.

When the elevator inspector observes or it is called to his attention that any elevator work is installed contrary to or in violation of any provisions of this code, it shall be his duty to immediately notify the person responsible for the installation that the violation or violations exist. All defective or substandard installations shall be corrected within forty-eight hours from time of notification by the elevator inspector.

Sec. 4.5.200. - Permit required—Fees listed. See [Article 1.2](#) of this Code.

Sec. 4.5.210. - Test tags.

Elevators and escalators shall have a metal tag with the test date and the name of the person or firm performing the test installed in the machine room for all one year and five year periodic tests.

Handicap accessibility lifts, inclined stairway chairlifts and inclined and vertical platform lifts shall have a metal tag with the test date and the name of the person or firm performing the test attached to the governor, machine or equipment in a permanent manner for all one year and five year periodic tests.

Sec. 4.5.220. - Replacement of controller.

Replacement of the controller shall require modernization of the elevator.

Sections 4.5.230 and 4.5.240 shall only apply within the City of Wichita jurisdiction.

Sec. 4.5.230. - Sprinkler heads in elevator equipment rooms or hoistways.

Fire sprinkler heads shall not be installed in passenger and freight elevator equipment/controller rooms or hoistways. Smoke detector(s) shall be installed in the equipment/controller room and wired to the building alarm system on a designated, individual, identified circuit. Areas within these rooms remote from the controller equipment may be required to have sprinkler coverage if the spray will not reach or can be prevented from reaching the controller equipment.

Sec. 4.5.240. - Smoke detectors in hoistways.

Smoke detectors shall not be installed in elevator hoistways unless they are installed to activate the elevator hoistway relief equipment.

Sec. 4.5.250. - Sump pump discharge.

Sump pumps in the pit of an elevator or escalator shall discharge to the outside of the building or into a clear or opaque plastic 55 gallon storage container that is located in the machine room or adjacent room. This storage unit shall have a label that reads "Hydraulic Fluid or Grease with Water" with a minimum of 2 inch letters.

Sec. 4.5.260. - Inspection compliance certificates.

The elevator inspector, as provided for in Section 4.5.040, shall perform acceptance and periodic inspections and tests as required by this Code and when found in compliance with this chapter will, after all fees are paid in accordance with Section 4.5.200, issue a compliance certificate. This certificate shall be permanently displayed in the elevator car for which the certificate was issued. The certificate shall be framed and installed not less than five feet nor more than five feet six inches from the platform of the car to the bottom of the frame or a location approved by the elevator inspector. Escalators and handicap accessibility lifts shall have the compliance certificate permanently displayed in a frame adjacent to the equipment and at a location approved by the elevator inspector.

Sec. 4.5.270. - Emergency communications.

A telephone that meets the Americans with Disabilities Act (ADA) standards must be installed in each elevator car. An identification tag shall be installed at the main telephone terminal in the building identifying the telephone line that is assigned to the elevator. It is unlawful for any person to have an automatic dialing device installed in an elevator dial directly into the emergency communications center whether by dialing 911 or otherwise.

Sec. 4.5.280. - Emergency operation and signaling devices.

All new elevators shall comply and conform with the emergency operation and signaling devices requirements set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

Article 4, Section 6 - ELEVATORS IN COMMERCIAL BUILDINGS FOR PERSONS WITH DISABILITY

Sec. 4.6.010. - Scope.

This Section applies to private residence type elevators installed in commercial buildings and used only by persons with a disability and so installed that they are not accessible to the general

public or to occupants of the building.

Sec. 4.6.020. - Installation standards.

All installations of private residence elevators in commercial structures for use by persons with a disability, shall be in strict conformity with the provisions of this Code and with the approved standards of construction for safety to life and property. If sections contained within this Section, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the applicable standards as set forth for elevators and contained in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers shall apply to the design, construction, installation, operation, alteration and repair of this type of elevator.

All installations of wheelchair lifts and stairclimb lifts in commercial buildings shall be in strict conformity with the provisions of this Code and with approved standards of construction for safety to life and property. If sections contained within this Code, do not prescribe a specific type or class of material or specific standards of construction, then the applicable standards as set forth in the currently adopted edition of the ANSI/ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts with all addendums thereto, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of this type of lift.

Sec. 4.6.025. - Equipment in hoistways and machine rooms.

All equipment installed in hoistways and machine rooms shall conform to Section 2.8 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

Sec. 4.6.030. - Construction of hoistways.

(A) Hoistways shall be enclosed throughout their height with fire-resistive enclosures as required by Article 2 of this Code.

(B) All elevator hoistway-landing openings shall be provided with entrances which shall guard the full height and width of the openings.

(C) Hoistways of elevators shall be provided with means to prevent the accumulation of smoke and hot gases in case of fire as required by Article 2 of this Code.

Sec. 4.6.035. - Machine rooms and machinery spaces.

Machine rooms and machinery spaces shall conform to Section 2.7 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

Sec. 4.6.040. - Buffers.

Buffers shall be installed under cars and counterweights. The buffers shall conform to the applicable section and standards as set forth in the currently adopted edition of the ANSI/ASME

A17.1 Safety Code for Elevators and Escalators.

Sec. 4.6.050. - Pits.

(A) A pit shall be provided for every elevator. The depth of the pit shall be not less than is required for the installation of the buffers. The pit shall be kept clean and free from dirt and rubbish. The pit shall not be used for storage purposes and shall be maintained free of an accumulation of water.

(B) Drains connected directly to sewers shall not be installed in elevator pits. Sumps may be installed.

(C) Sumps in pits, where provided, shall be covered. The cover shall be level with the pit floor.

Sec. 4.6.060. - Car enclosures.

(A) Illumination of cars and lighting fixtures shall be installed and conform with Section 2.14.7 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

(B) The minimum car enclosure measurements shall be forty-eight inches deep and thirty-six inches wide with a front opening door or a front and rear opening door.

(C) A handrail shall be provided on one wall of the car, preferably on the side of the car. The rail size shall be one and one-fourth to one and one-half inches clear of the wall at a nominal height of thirty-two inches from the elevator floor. Handrails shall not rotate within their fittings.

(D) Emergency Stop Switch shall be installed and have an audible signal installed conforming with Section 2.27.1.2 and Section 2.27.1.1.5 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

Sec. 4.6.070. - Key-operated switches.

(A) There shall be a key-operated switch at each landing to call the car, chair or platform to that landing. This same key shall be used to activate all the up and down controls for the equipment.

(B) The key-operated control switches shall be operated by a cylinder type lock having not less than a five-pin or five-disk combination with the key removable only when the switch is in the off position.

Sec. 4.6.080. - Authorized personnel.

(A) Only authorized personnel, designated by the owner or tenant of the building, shall have access to the keys. The keys shall be kept on the premises in a readily accessible location available to the authorized personnel, but not where they are available to the general public.

(B) The authorized personnel having access to the key shall be summoned by means of a clearly labeled attendant call device located at each landing.

Sec. 4.6.090. - Emergency communications.

A telephone that meets the Americans with Disabilities Act (ADA) standards must be installed in each elevator car. An identification tag shall be installed at the main telephone terminal in the building identifying the telephone line that is assigned to the elevator. It is unlawful for any person to have an automatic dialing device installed in an elevator dial directly into the emergency communications center whether by dialing 911 or otherwise.

Sec. 4.6.100. - Signage posted.

A distinct visible sign stating "This Elevator For Use By The Disabled Only" must be installed adjacent to the entrance to the elevator car on each landing. The letters shall not be less than one-fourth inch.

Sec. 4.6.110. - Required inspections.

All elevators shall be subject to the applicable acceptance, routine, and periodic inspections and tests as specified in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. The routine inspections and tests shall be made at intervals not longer than one year. The periodic inspections and periodic tests of category 1 shall be made at intervals not longer than one year. The periodic tests of category 3 and 5 shall be made at intervals not longer than five years.

Sec. 4.6.120. - Permits and fees. See [Article 1.2](#) of this Code.

Article 4, Section 7 - FREIGHT TYPE ELEVATORS IN COMMERCIAL BUILDINGS

Sec. 4.7.010. - Scope.

This Section applies to existing freight type elevators in commercial buildings and allows this type of elevator to be altered and converted to permit the carrying of passengers.

Sec. 4.7.020. - Installation standards.

All alterations and conversions of existing freight type elevators to permit carrying of passengers shall be in strict conformity with the provisions of this Code and with the approved standards of construction for safety to life and property. If sections contained within this Code, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of this type of elevator.

Sec. 4.7.030. - Driving machines.

All driving machines shall be of the traction type or of the hydraulic type.

Sec. 4.7.040. - Minimum rated load.

The rated load in pounds for passenger elevators shall be based on the inside net platform area, and shall be not less than shown in Table 2.16.1.1 of the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

Sec. 4.7.050. - Types of entrances.

For passenger elevators and freight elevators authorized to carry passengers, entrances shall be one of the following types:

- (1) At landing openings used by passengers or for freight:
 - (a) Horizontal slide;
 - (b) Swing, single-section;
 - (c) Combination horizontal slide and swing;
 - (d) Power-operated, vertical slide biparting counter-balanced, or vertical slide counter weighted which slide down to open, where located at entrances used by passengers.

Sec. 4.7.060. - Openings prohibited.

Openings or hinged or removable panels in an enclosure are prohibited, other than as required for the following:

- (1) Signal, operating, and communication equipment;
- (2) Entrances;
- (3) Vision panels;
- (4) Emergency exits;
- (5) Ventilation; and
- (6) Access panels for maintenance of equipment when approved by the authority having jurisdiction. Such panels, where provided, shall conform to the applicable rules as set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, except that they are not required to be openable from the outside.

Sec. 4.7.070. - Requirements for passenger overload.

Passenger elevators and freight elevators converted to permit the carrying of passengers shall be designed and installed to safely lower, stop, and hold the car with an additional load of twenty-five percent in excess of the elevators' rated load.

Sec. 4.7.080. - Car enclosures.

(A) Illumination of cars and lighting fixtures shall be installed and conform to the applicable rules as set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

(B) A handrail shall be provided on one wall of the car, preferably on the side of the car. The rail size shall be one and one-fourth to one and one-half inches and shall be smooth. The inside surface shall be at least one and one-half inches clear of the wall at a nominal height of thirty-two inches from the elevator floor. Handrails shall not rotate within their fittings.

Sec. 4.7.090. - Emergency communications.

A telephone that meets the Americans with Disabilities Act (ADA) standards must be installed in each elevator car. An identification tag shall be installed at the main telephone terminal in the building identifying the telephone line that is assigned to the elevator. It is unlawful for any person to have an automatic dialing device installed in an elevator dial directly into the emergency communications center whether by dialing 911 or otherwise.

Sec. 4.7.100. - Required inspections.

All elevators shall be subject to the applicable acceptance, routine, and periodic inspections and tests as specified and set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. The routine inspections and tests shall be made at intervals not longer than one year. The periodic inspections and periodic tests of category 1 shall be made at intervals not longer than one year. The periodic tests of category 3 and 5 shall be made at intervals not longer than five years.

Sec. 4.7.110. - Emergency operation and signaling devices.

All elevators shall comply and conform with the emergency operation and signaling devices requirements set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.

Sec. 4.7.120. - Permits and fees. See [Article 1.2](#) of this Code.

ARTICLE 5 – INTERNATIONAL MECHANICAL CODE

Sec. 5.A.010. - Board of appeals—Created; composition.

There shall be and is authorized a board of appeals of air conditioning, refrigeration and warm air heating, which shall consist of the Director of the Metropolitan Area Building and Construction Department ("MABCD") or his duly authorized representative, who shall serve as secretary of the board, and seven other members, as follows:

- (1) A refrigeration contractor (appointed by the City);
- (2) A journeyman heating and air conditioning mechanic (appointed by the County);
- (3) A boiler contractor (appointed by the City);
- (4) A master air conditioning and warm air heating contractor (appointed by the County);
- (5) A journeyman boiler (appointed by the City);
- (6) A public at large (appointed jointly);
- (7) A mechanical engineer (appointed by the County).

Sec. 5.A.020. - Board of appeals—Qualifications and appointment of members.

The contractor and Journeyman members of the Board shall, in the first instance, are those who have been established in their respective business so as to be qualified to obtain their certificates and licenses as provided in Sections 5.1.270 and 5.1.330 of this Code. The mechanical engineer and architect members shall be licensed by the state to engage in business in their respective fields.

Sec. 5.A.030. - Board of appeals— Acting as arbitration board.

The Board shall act as an arbitration board in deciding any question which may arise between an air conditioning, refrigeration, warm air heating and boiler contractors or Journeyman and the inspector.

When conditions exist which are not covered by this Code, or where it would be impracticable to follow this Code, the Board may grant a variance from the strict application of this Code. Those individuals asking for any such concession must make their request in writing, and give a complete description of all items involved. If the request is granted, a copy of the whole transaction must be placed on file in the Office of the MABCD.

The Board shall pass upon materials or methods of installation not sufficiently provided for in this Code, and accept or reject the same as complying with the intent of the Code.

The Board is expressly given the responsibility of studying and making such rules as are required for new products being offered for use in air conditioning, refrigeration, warm air heating and boiler systems. All such rules shall be in writing and filed in the Office of the MABCD.

Sec. 5.A.040. - Mechanical inspectors – Appointment - Duties

Within the jurisdiction of the City of Wichita, all commercial mechanical inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master and hold a current mechanical certificate and shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Within the jurisdiction of Sedgwick County, all commercial mechanical inspectors shall have had a minimum of five years of practical experience in this field as a Journeyman or Master, and hold a current mechanic's certificate, or in lieu of such experience and certification, shall hold a current and valid mechanical inspectors' certificate issued by an approved testing agency as determined by the Director of the MABCD, and have two (2) years' experience in mechanical installations. Each inspector shall be duly appointed pursuant to the requirements set forth by the Director of the MABCD.

Upon satisfaction of the minimum qualifications for the appropriate jurisdiction, the Director of the MABCD shall have the discretion to appoint the employees as a combination inspector.

Article 5, Section 1 – INTERNATIONAL MECHANICAL CODE

Sec. 5.1.010. - Adoption of the International Mechanical Code.

The International Mechanical Code, as published by the International Codes Council, Inc. 2006 Edition, excluding Appendix B and section (301.2) is hereby adopted and incorporated herein by reference, subject to such amendments thereto as are set forth hereinafter. Section 101.1 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Title. These regulations shall be known as the Wichita-Sedgwick County Unified Building and Trade Code, Article 5 International Mechanical Code, hereinafter referred to as "this Code."

Sec. 5.1.020. - Scope.

Section 101.2 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: This Code shall regulate the design, installation, maintenance, alteration and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This Code shall also regulate those mechanical systems, system components, equipment and appliances specifically addressed herein. The installation of fuel gas equipment, fuel gas fired appliances and gas-fired appliance venting systems shall be regulated by the International Fuel Gas Code. Exception: Detached one- and two- family dwellings not more than three stories high with separate means of egress and their accessory structures shall comply with the 2006 International Residential Code.

Sec. 5.1.030 - Building Code provisions.

Section 101.2.2 of the International Mechanical Code, as adopted by reference herein, shall be created to read as follows: The provisions of Article 2 of this Code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Sec. 5.1.040. - Electrical.

Section 101.2.3 of the International Mechanical Code, as adopted by reference herein, shall be created to read as follows: The provisions of Article 4 of this Code shall apply to the installation of electrical systems, including alterations, repairs, replacement equipment, appliances, fixtures, fittings and appurtenances thereto.

Sec. 5.1.050. - Gas.

Section 101.2.4 of the International Mechanical Code, as adopted by reference herein, shall be created to read as follows: The provisions of Article 3 of this Code shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this Code. These requirements apply to gas piping systems extending from point of delivery to the inlet connections of appliances and the installation and operation of residential and commercial gas appliances and related accessories.

Sec. 5.1.060. - Plumbing.

Section 101.2.5 of the International Mechanical Code, as adopted by reference herein, shall be created to read as follows: The provisions of Article 3 of this Code shall apply to the installation, alterations, repairs and replacement of plumbing systems, including equipment, appliances, fixtures and appurtenances, and where connected to water or sewage systems and all aspects of a medical gas system.

Sec. 5.1.070. - Fire prevention.

Section 101.2.6 of the International Mechanical Code, as adopted by reference herein, shall be created to read as follows: The provisions of Title 15 of the Code of the City of Wichita shall apply within the city limits of the City of Wichita and Chapter 12 of the Sedgwick County Code within the Sedgwick County jurisdiction shall otherwise apply to matters affecting or relating to structures, processes and premises from the hazard of fire and explosion arising from storage, handling or use of structures, materials or devices; from conditions hazardous to life, property or public welfare in the occupancy of structures or premises; and from the construction, extension, repair, alteration or removal of alarm systems and fire hazards in the structure or on the premises.

Sec. 5.1.080. - Investigation fee. See [Sec. 2.4.020](#) of this Code.

Sec. 5.1.090. – Permit fee. See [Article 1.2](#) of this Code.

Sec. 5.1.100. - Corrections and re-inspections.

Section 107.2.3 of the International Mechanical Code is amended to read as follows: Corrections shall be completed and work rescheduled for inspection within thirty (30) days from the date of the correction notice. Corrections not completed within the thirty (30) days shall be liable for the violation penalties set forth in Article 1.2 of this Code. Access shall be provided for re-inspection by the property owner.

Sec. 5.1.110. - Stop work orders.

Section 108.5 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Upon notice from the code official that mechanical work is being done contrary to the provisions of this Code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work, or shall be posted in writing at the site of the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for the violation penalties set forth in Article 1.2 of this Code.

Sec. 5.1.120. - Electrical controls.

Section 301.7 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Electrical wiring, controls, and connection to equipment and appliances regulated by this Code shall be in accordance with Article 4 of this Code.

Sec. 5.1.130. - Plumbing connections.

Section 301.8 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Potable water supply, building drainage system connections to equipment, and appliances regulated by this Code shall be in accordance with Article 3 of this Code.

Sec. 5.1.140. - Prohibited locations.

Section 303.3 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Fuel fired appliances shall not be located in, or obtain combustion air from, any of the following rooms or spaces: 1. Sleeping rooms, 2. Bathrooms, Storage closets, Surgical rooms. Exception: This section shall not apply to the following appliances: 1. Direct-vent appliances that obtain all combustion air directly from the outdoors. 2. Solid fuel appliances, provided that the room is not a confined space and the building is not of unusually tight construction. 3. Appliances installed in a dedicated enclosure in which all combustion is

taken directly from the outdoors or other approved areas. Access to such enclosure shall be through a solid door, equipped with an approved self closing device, and weather-stripped in accordance with the exterior door and leakage requirements of the International Energy Conservation Code.

Sec. 5.1.150. - Clearances from grade.

Section 304.10 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Equipment and appliances installed at grade level shall be supported on a level concrete slab or other approved material extending above adjoining grade or shall be suspended a minimum of 6 inches (152 mm) above adjoining grade. Supports for heat pumps shall be at least 3" and conform to the manufactures specifications.

Sec. 5.1.160. - Equipment and appliances on roofs or elevated structures.

Section 306.5 of the International Mechanical Code is amended to read as follows:

Where equipment and appliances requiring access are installed on roofs or elevated structures, at a height exceeding 16 feet (4877 mm), such access shall be provided by a permanent approved means of access, the extent of which shall be a minimum eight (8) feet above grade to the equipment and appliances' level service space. Such access shall not require climbing over obstructions greater than 30 inches (762 mm) high or walking on roofs having a slope greater than 4 units vertical in 12 units horizontal (33-percent slope).

Permanent ladders installed to provide the required access shall comply with the following minimum design criteria:

1. The side railing shall extend above the parapet or roof edge not less than 30 inches (762 mm).
2. Ladders shall have a rung spacing not to exceed 14 inches (356 mm) on center.
3. Ladders shall have a toe spacing not less than 6 inches (152 mm) deep.
4. There shall be a minimum of 18 inches (457 mm) between rails.
5. Rungs shall have a minimum 0.75-inch (19 mm) diameter and be capable of withstanding 300-pound (136.1 kg) load.
6. Ladders over 30 feet (9144 mm) in height shall be provided with offset sections and landings capable of withstanding 100 pounds (488.2 kg/m²) per square foot.
7. Ladders shall be protected against corrosion by approved means. Catwalks installed to provide the required access shall be not less than 24 inches (610 mm) wide and shall have railings as required for service platforms.

Exception: This section does not apply to Group R-3 occupancies.

Sec. 5.1.170. - Auxiliary and secondary drain systems.

Section 307.2.3 of the International Mechanical Code is amended to read as follows:

In addition to the requirements of Section 307.2.1, where damage to any building components could occur as a result of overflow from the equipment primary condensate removal system, one of the following methods shall be provided for each cooling coil or fuel fired appliance that produces condensate and is located above a finished ceiling or furred space:

1. An auxiliary drain pan with a separate drain shall be provided under the coils on which condensation will occur. The auxiliary drain pan shall discharge to a conspicuous point of disposal to alert occupants in the event of a stoppage of the primary drain. The pan shall have a minimum depth of 1 ½ inches (38 mm), shall not be less than the unit or coil dimensions in width and length and shall be constructed of corrosion resistant material. Galvanized sheet steel pans shall have a minimum thickness of not less than 0.0236 inch (0.6010 mm) (No. 24 gage). Nonmetallic pans shall have a minimum thickness of not less than 0.0625 inch (1.6 mm).
2. A separate overflow drain line shall be connected to the drain pan provided with the equipment. Such overflow drain shall discharge to a conspicuous point of disposal to alert the occupants in the event of a stoppage in the primary drain. The overflow drain line shall connect to the drain pan at a higher level than the primary drain connection.
3. An auxiliary drain pan without a separate drain line shall be provided under coils on which condensate will occur. Such pan shall be equipped with a water-level detection device conforming to UL 508 that will shut off the equipment served prior to overflow of the pan. The auxiliary drain pan shall be constructed in accordance with Item 1 of this section.
4. A water-level detection device conforming to UL 508 shall be provided that will shut off the equipment served in the event that the primary drain is blocked. The device shall be installed in the primary drain, the overflow drain line, or in the equipment-supplied drain pan, located at a point higher than the primary drain line connection and below the overflow rim of such pan.

Exception: Fuel fired appliances that automatically shut down operation in the event of a stoppage in the condensate drainage system.

Sec. 5.1.180. - Grease duct test.

Section 506.3.3.1 of the International Mechanical Code is amended to read as follows: Prior to the use or concealment of any portion of a grease duct system, a leakage test shall be performed in the presence of the official. Ducts shall be considered to be concealed where installed in shafts or covered by coatings or wraps that prevent the ductwork from being visually inspected on all sides. The permit holder shall be responsible to provide the necessary equipment and perform the grease duct leakage test. A light test or an approved equivalent test method shall be performed to determine that all welded and brazed joints are liquid tight. A light test shall be performed by passing a halogen lamp having a power of not less than 100 watts through the entire section of

the ductwork to be tested. The lamp shall be open so as to emit light equally in all directions perpendicular to the duct walls. A test shall be performed for the entire duct system, including the hood-to-duct connection. The ductwork shall be permitted to be tested in sections provided that every joint is tested. For listed factory-built grease ducts, this test shall be limited to duct joints assembled in the field and shall exclude factory welds.

Sec. 5.1.190. - Grease duct enclosure.

Section 506.3.10.1 of the International Mechanical Code is amended to read as follows: Commercial kitchen grease ducts constructed in accordance with Section 506.3.1 shall be permitted to be enclosed in accordance with the International Building Code requirements for shaft construction. Such grease duct systems and type one hoods shall have a clearance to combustible construction of not less than 18 inches (457 mm), and shall have a clearance to noncombustible construction and gypsum wallboard attached to noncombustible structures of not less than 3 inches (76 mm). Duct enclosures shall be sealed around the duct at the point of penetration and vented to the outside of the building through the use of weather-protected openings. Exceptions: 1. The shaft enclosure provisions of this section shall not be required where a duct penetration is protected with a through-penetration fire stop system classified in accordance with ASTM E 814 and having an "F" and "T" rating equal to the fire-resistance rating of the assembly being penetrated and where the surface of the duct is continuously covered on all sides from the point at which the duct penetrates a ceiling, wall, or floor to the outlet terminal with a classified and labeled material, system, method of construction or product specifically evaluated for such purpose, in accordance with ASTM E 2336. Exposed duct wrap systems shall be protected where subject to physical damage. 2. The shaft enclosure provisions of this section shall not be required where a duct penetration is protected with a through-penetration fire stop system classified in accordance with ASTM E 814 and having an "F" and "T" rating equal to the fire resistance rating of the assembly being penetrated and where a prefabricated grease duct enclosure assembly is protected on all sides from the point at which the duct penetrates a ceiling, wall, or floor to the outlet terminal with a classified and labeled prefabricated system specifically evaluated for such purposes in accordance with UL 2221. (3) A duct enclosure shall not be required for a grease duct that penetrates only a nonfire-resistance-rated roof/ceiling assembly.

Sec. 5.1.200. - Operation.

Section 507.2.1.1 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Type 1 hood systems shall be designed and installed to automatically activate the exhaust fan whenever cooking operations occur. The activation of the exhaust fan shall occur through an interlock with the cooking appliances, by means of heat sensors or by means of other approved methods. The system shall be designed by a registered design professional and submitted for plan review with the complete construction document package.

Sec. 5.1.210. - Corridors.

Section [B] 601.2.1 of the International Mechanical Code, as adopted by reference herein, shall be created to read as follows: A corridor shall not be used as a plenum or integral part of a duct

system to convey air to or from one part of a building to another if the corridor is required to be of fire-resistive construction by the Code. However, air may be supplied to such a corridor for the purpose of comfort conditioning, ventilation, exhausting or other reasons and may be returned or exhausted provided all such supply, return or exhaust openings be protected as required by other parts of this Code and not be in violation of this provision.

Exception: Make up air for exhaust from rest rooms and janitors closets opening on to and adjacent to a corridor of fire resistant construction, may be transferred from the corridor provided such transfer means are protected in the manner prescribed by other parts of this Code and such corridor is supplied directly, or through the system supplying the corridor, with outdoor air at a rate greater than the rate of makeup air taken from the corridor.

Sec. 5.1.220. - Return air systems.

Section 606.2.1 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: Smoke detectors shall be installed in the return or the supply of air systems with a design capacity greater than 2,000 cfm (0.9 m³/s). On the return side it shall be located in the return air duct or plenum upstream of any filters, exhaust air connections, outdoor air connections, or decontamination equipment and appliances. On the supply side the smoke detector shall be located before the first branch or take off.

Exception: Smoke detectors are not required in the return or supply systems where all portions of the building served by the air distribution system are protected by area smoke detectors connected to a fire alarm system, approved by fire department, and the area smoke detection system shall comply with Section 606.4.

Sec. 5.1.230. - Hydronic piping—Scope.

Section 1201.1 of the International Mechanical Code, as adopted by reference herein, shall be amended to read as follows: The provisions of this chapter shall govern the construction, installation, alteration and repair of hydronic piping systems. This chapter shall apply to hydronic piping systems that are part of heating, ventilation and air-conditioning systems. Such piping systems shall include steam, hot water, chilled water, steam condensate and ground source heat pump loop systems. Potable cold and hot water distribution systems shall be installed in accordance with Article 3 of this Code.

Sec. 5.1.240. - Classifications.

Class "A-C" (air conditioning and warm air heating) This class includes air handling equipment and air distributions, chilled water systems, warm air heating systems whereby heating is accomplished by distributing heated air by forced or gravity circulation or by radiation, including controls and other items pertaining thereto.

Class "RF" (refrigeration) - This class includes refrigeration systems and refrigeration equipment of all types.

Class "Journeyman sheet metal installer" is a classification for any individual working for a licensed contractor as defined in Sec. 1.250 and who is duly certified as herein set forth to engage in such occupation. Journeyman sheet metal installer is limited to perform the following

types of installations

- (1) The placement and installation of the furnace, air conditioning, or other air handling equipment, this does not include any connections of line voltage electricity, fuel gas piping or refrigeration piping;
- (2) The installation of the complete air distribution system as defined in this code;
- (3) The installation of the products of combustion venting systems as defined in this Code.

Exception 1: "Journeyman residential mechanic" is a limited classification for an individual working for a contractor of a class as set forth in Sec. 1.250 and who is duly certified as herein set forth to engage in such occupation. Journeyman residential mechanic is limited to perform the following types of installations:

1. One and two family residential new construction only;
2. The placement and installation of the furnace, air conditioning or other air handling equipment that pertains to residential use. This does not include gas piping or line voltage electricity.

Sec. 5.1.250. - Definitions.

Unless otherwise specified, the following terms, as used in this chapter, mean as follows:

'Apprentice' means an individual who works as an employee in training under the direct supervision of a Journeyman or Master. An Apprentice is not a certified individual.

'Board' means the board of appeals appointed for air conditioning, refrigeration, warm air heating, and boilers. Their purpose is reviewing code interpretations taken by the building code enforcement division, granting or denying variances requested from the code, other matters pertaining to mechanical, reviewing license applications and license suspensions and revocation.

'Code' means the International Mechanical Code as adopted by the MABCD, as the context of this Article may require.

'Direct supervision' means that the apprentice is limited to the same structure and/or building site as the Journeyman or Master, except in the case of one- and two-family residential development, where the apprentice may be on the job site within 100 feet of where the Journeyman or Master is working.

'Field Experience' means working under the direct supervision of a person having a valid Journeyman or Master certificate or attending trade related schooling. No more than one year of the requirement may be satisfied by trade related schooling. Schooling shall consist of a minimum of 240 hours classroom training.

'Journeyman' means an individual working for a licensed contractor as defined in Sec. 1.250 and engaged principally in the occupation of erecting, installing, altering, repairing, servicing or maintaining in any or all of the following classifications and who is duly certified as herein set forth to engage in such occupation: A Journeyman is responsible for

the supervision of any apprentice assigned to work with him.

'Licensed contractor' means a person, firm, partnership, corporation, limited liability company, association or combination thereof, who undertakes or offers to undertake for another, for hire, the planning, laying out, supervising and installing or making additions, alterations, and repairs in the installation of mechanical heating, ventilation, refrigeration and air conditioning systems.

'Licensed trade' or *'trade'* means the mechanical, electrical, plumbing or gas fitting trade, as the context of this article may require.

'Master' means an individual that holds a Master certificate issued pursuant to this article evidencing such person to be qualified to lay out, install, maintain and repair work in his area of expertise. A Master is responsible for the supervision of any apprentice assigned to work with him.

'Qualified Master' means an individual who holds a Master certificate issued pursuant to this article evidencing such person to be qualified to control and have authority of all technical work performed under the authority of the licensed contractor's enterprise, and assures quality control and is responsible for complying with all applicable laws, codes and regulations. An individual shall not be the Qualified Master for more than one licensed contractors enterprise unless such individual receives approval from the Director of the MABCD or an authorized representative thereof.

Sec. 5.1.260. - Apprentice limitations.

(a) Apprentices shall be permitted to work when accompanied by and under the direct supervision of a Master or Journeyman, who shall be responsible for the mechanical work performed by the Apprentice. At any given time, there shall be a maximum of two Apprentices per one Master or one Journeyman for all one or two-family dwelling residential job sites. There shall be a maximum of three Apprentices per one Master or one Journeyman for all triplex or greater density residential job sites or commercial job sites. The on-site Master or Journeyman shall be responsible for maintaining the ratio of Master/Journeyman to Apprentices as required by this section. If an Apprentice works without the required supervision, both the Qualified Master, and the Apprentice may be held responsible for violation of this section.

(b) It shall be unlawful for any Qualified Master, to allow or permit an uncertified individual to engage in the business of erecting, installing, altering, repairing, servicing or maintaining air conditioning, warm air heating or refrigeration.

Sec. 5.1.270. - Applicant requirements, examinations; issuance of certificates.

Any person desiring to engage in or work at the business of air conditioning, refrigeration or warm air heating either as a Master or as a Journeyman, as defined in Sec. 5.1.250 of this Code, or to do such work shall submit the prescribed application form to the Office of the MABCD for a certificate, and if the applicant meets the following requirements or is approved by the Board, shall at such time and place as directed be subjected to an examination as to their qualifications. The qualifications are as follows:

- a. A minimum score of seventy-five percent on the "Block Examination" Master/Journeyman Mechanical Certificate, which is administered by Prometric, or
- b. A minimum score of seventy-five percent on the International Code Council Examination for a Master/Journeyman Mechanical Certificate, which is administered by International Code Council, or
- c. A satisfactory score on any other standard examination to determine the qualification of a Master/Journeyman Mechanical that is approved and adopted by the state of Kansas, pursuant to state law, following the effective date of this Code.

Applicant requirements:

Journeyman Mechanical: One year Field Experience and completion of a technical heating and air conditioning school, or two years Field Experience. Schooling shall consist of a minimum of 240 hours.

Master Mechanical: Two years as Journeyman or a minimum of four years Field Experience."

Sec. 5.1.280. - Fees for examination, certificates, etc.; renewing and expiration of certificates.

(a) The fee for the original certificate of a master mechanical, journeyman mechanical, or sheet metal installer shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates. This fee shall be paid to the Office of the MABCD when the application for a certificate is made. Individuals not holding a certificate at the beginning of the certificate cycle, who obtain a certificate during such certificate cycle by the standardized test required by K.S.A. 12-1542 and any amendments thereto, will be issued the initial certificate without documentation of continuing education. Such certificate will be issued noting the test provider, specific test type and grade. Such test shall be completed during the certificate cycle. All such certificates shall expire on the thirty-first of December of each odd numbered year. The biennial fee for all certificates shall be established by the Director of the MABCD to cover the administrative cost of issuing such certificates. All such certificates shall be renewed bi-annually upon payment established by the Director of the MABCD to cover the administrative costs of issuing such certificates. All certificates shall expire on the thirty-first day of December of each odd-numbered year and no reduction shall be made for part of the year being elapsed. Any holder of a certificate who fails to renew the same by March 1st after their expiration shall be required to submit one of the following: (1) Proof of passing a new examination in accordance with K.S.A. 12-1541 or; (2) Proof completing an additional 11/2 hours of continuing education for each 3 month period the renewal is late and only when the original certificate was issued pursuant to K.S.A. 12-1542. It is the total responsibility of the certificate holder to assure that his/her certificate has been renewed and is valid.

(b) Individuals passing the examination in the first year of a renewal cycle will need to provide documentation of 12 hours of approved continuing education when renewing their certificate. Not less than 6 hours shall consist of mechanical code education. The continuing education shall be attended during the certificate cycle. Individuals passing the examination in the second year of a renewal cycle will need to provide documentation of 6 hours approved continuing education when renewing their certificate. Not less than 3 hours shall consist of mechanical code education.

The continuing education shall be attended during the second year of the certificate cycle. Individuals with an active certificate that passed the examination prior to the first year of the renewal cycle must provide written proof of having completed biennially not less than 12 hours of continuing education approved by the Office of the MABCD. Not less than 6 hours shall consist of mechanical code education. Continuing education shall be provided by the Office of the MABCD or a nationally recognized trade association, community college, technical school, technical college or other provider approved by the Office of the MABCD. All 12 hours of education shall comply with the Office of the MABCD's continuing education guidelines for mechanical.

Sec. 5.1.290. - Owner occupants—Minor repairs.

Regardless of the requirements of other sections of this title, the owner-occupant of a single-family dwelling may obtain permits to repair, replace, or maintain the existing air conditioning, refrigeration, or warm air heating systems in such single-family dwelling and the usual accessory buildings in connection with such dwelling; provided, however, that the owner-occupant shall perform all such work and that the work so performed is in accordance with the Code as verified by an inspection requested by such owner-occupant and performed by the Office of the MABCD. No permit shall be required for minor repairs or alterations which do not exceed two hundred dollars as the price charged for such work, but such work shall comply with all requirements of this Code.

Sec. 5.1.300. - Owner-occupants permit, fee, examination, and requirements.

The owner-occupant of a detached single-family dwelling occupied or to be occupied by the owner-occupant applying for the permit may be permitted to install air-conditioning, refrigeration, and warm air heating systems in the main structure and accessory structures thereto provided all materials are purchased and all labor is performed by the applicant.

Owner-occupants applying for permits for installations as outlined above shall first qualify themselves by successfully passing a simplified open book examination dealing with relevant provisions of this Code. Successful passage of the examination shall qualify the applicant for future permits until the time of adoption of another edition of this Code.

Prior to permit approval, the applicant shall also submit a plan of the installation drawn in a format acceptable to and drawn in sufficient detail as to satisfy the Director of the MABCD of the overall code compliance of the anticipated installation.

Permit fees shall be as set forth elsewhere in this Code and in Article 2 of this Code provided, however, that each additional inspection owing to detected code deficiencies requiring correction shall be billed at the rate of forty dollars each.

Permits for installations in completely new residences and/or total remodel permits shall be limited to one in three years to each applicant unless a waiver is obtained, upon written application, from the Board.

Sec. 5.1.310. - Revocation of certificates and licenses.

The Board is authorized to cancel and recall the certificate of any air-conditioning, refrigeration,

warm air heating or boiler contractor or Journeyman for any or all of the following reasons:

1. Committing of any act in violation of any provision of this Code or any other ordinance of the city or the refusal or failure to comply with any lawful and reasonable order of the Director of the MABCD or inspector.
2. Misrepresentation of a material fact by the applicant in obtaining a certificate.
3. Carelessness or negligence in providing reasonable safety measures for the protection of the public.

The Board is hereby authorized to cancel and recall the license of any air conditioning, refrigeration, warm air heating or boiler contractor for any or all of the following reasons:

1. Abandonment of any contract without legal cause.
2. Diversion of funds or property received for performance or completion of a specific contract or a specific purpose in the performance or completion of any contract, obligation or purpose, or the failure, neglect, or refusal to use such funds or property for the performance or completion of the contract.
3. Committing any act in violation of any provision of this Code or any other ordinance of the city or resolution of the county, or the refusal or failure to comply with any lawful and reasonable order of the Director of the MABCD or inspector.
4. Misrepresentation of a material fact by the applicant in obtaining a license.
5. Failure of any contractor to fully certify all claims for labor and materials used in the performance of any work for which he has been engaged or for which he has been paid.
6. Fraudulent use of the license to obtain a permit for another.
7. Carelessness or negligence in providing reasonable safety measures for the protection of workmen and the public.
8. Failure to obtain permits as required in Sec. 5.1.300 of this Code.
9. Unreasonable delay in the performance and carrying out of any contract.
10. Failure by the licensee to have at least one active member or officer deemed as the Qualified Master, as defined in Sec. 5.1.250 of this Code.

Upon presentation by the Director of the MABCD to the Board charges against any holder of any certificate as set forth in this section, the Board shall fix a time and a place for a meeting to consider such charges and shall notify the holder of such license to be present at such meeting. Such notification shall be in writing and shall be presented to the holder at least five days in advance of the meeting. If upon full hearing of all evidence by the Board, it shall be decided that such holder of a certificate has been guilty of the actions as herein before set forth in this section, then the board shall revoke or suspend the license or certificate of the holder thereof.

When a certificate of a person has been revoked, a new certificate shall not be granted until he or she has corrected the violation in accordance with this Code and shall have made application and

shall have passed an examination as required for the original certificate.

Sec. 5.1.320. - Certain persons exempt from license and bond requirements.

Any person, corporation, limited liability company, partnership or similar entity not engaged in the business of heating and/or air conditioning within the scope of this Code who has in his/her regular and permanent employment a person or persons who possess current and valid Journeyman or Master certificates shall be permitted to have such person or persons perform maintenance and repair work on buildings and premises that are owned, leased, operated or managed by him shall be exempt from this Code, as pertains to license or bond, but shall be subject to all other requirements pertaining thereto.

Sec. 5.1.330. - Licenses.

Anyone authorized individual or entity seeking to engage in the business of mechanical heating, air conditioning or refrigeration shall first designate an individual to be the Qualified Master for their license and then acquire a license from the Office of the MABCD. Each such license shall expire on thirty-first day of December in the year the license was issued.

Sec. 5.1.340. – Insurance required. See [Article 1.4\(c\)](#) of this Code.

Sec. 5.1.350. - Contractors—Established place of business required. See [Article 1.4\(a\)](#) of this Code.

Sec. 5.1.360. - Contractors—Marking of vehicles. See [Article 1.4\(b\)](#) of this Code.

Sec. 5.1.370. - Truth in advertising requirements. See [Article 1.4\(d\)](#) of this Code.

Sec. 5.1.380. - Compliance with titles, ordinances, laws.

All air conditioning, refrigeration or warm air heating installations shall comply with existing laws and ordinances covering the construction and installation of cooling towers, the use of city water, sanitary and storm sewers, the requirements for recirculation of condenser water, as contained in the following parts of this Code, and any other that may apply:

Water conservation—Title 17 of the Code of the City of Wichita;

Connection to sanitary sewer—Title 16 of the Code of the City of Wichita;

Towers, spires and tanks—Article 2 of this Code;

Gas burning warm air furnaces—Article 2 of this Code;

Ducts and appurtenances—Article 2 of this Code;

Cooling units over public property—Article 2 of this Code;

Gas fittings—Article 3 of this Code.

Sec. 5.1.390. - Electrical and plumbing work.

All electrical work, plumbing and gas fitting done in connection with any work covered by this Code shall be in conformance with Article 3 and Article 4 of this Code, respectively. It is also unlawful for a person holding a license, as set forth in this Code, to operate as a contractor or as a journeyman mechanic to do or otherwise perform any electrical, plumbing or gas fitting work except as provided in this section. Such contractor or mechanic shall be permitted to do all water piping within the system, and make indirect connections to the city sewer, but shall not make direct connections to either the city water system or to city sewers.

It shall be permissible for a holder of a Class A-C or RF certificate to make original installations of package units of a capacity of seven and one-half horsepower or less on the load side of the disconnect means when such is not over five feet from the unit and is within sight thereof. It shall also be permissible for such a person to do all electrical work in connection with maintenance, repairs or replacement on any system from the load side of the disconnect means of the unit. All such electrical work shall conform in all respects to the requirements of Article 4.

Article 5, Section 2 - SOLID FUEL-BURNING EQUIPMENT

Sec. 5.2.010. - Definitions.

The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

- (1) *Solid fuel-burning equipment* for the purpose of this chapter, means any factory-built fireplace, including chimney liners, vents and connectors, fireplace inserts (non-gas) and free-standing fireplace stoves which use wood, pellets or coal for fuel.
- (2) *Gas fireplace equipment* shall mean gas fireplaces, including chimney liners, vents and connectors, fireplaces with gas starters, and direct or natural vent fireplaces.
- (3) *Gas fireplace contractor* shall mean any individual who has been duly qualified by the Office of the MABCD to engage in or work in the trade of installing, repairing or replacing gas fireplace equipment.
- (4) *Solid fuel contractor* for the purpose of this chapter, means any individual who has been duly qualified by the Office of the MABCD to engage in or work at the trade of installing, repairing or replacing solid fuel-burning equipment.

Sec. 5.2.020. - Certificate—Examination required.

(a) It is unlawful for any person in the business of installing, repairing or altering solid fuel-burning or gas fireplace equipment in the City or County, as applicable, unless and until a certificate has been obtained therefore, and a license has been issued for such business and a permit has been issued for such work, all in accordance with the provisions of this code. Apprentices shall be permitted to work when accompanied by and under the direct supervision of a master or journeyman solid fuel or gas fireplace contractor, who shall be responsible for the

work done by the apprentice. There shall be a maximum of three apprentices per one master or journeyman.

(b) Any person desiring to engage in or work at the business of installing, repairing or altering solid fuel-burning equipment or gas fireplace equipment shall make application to the Office of the MABCD for a certificate.

(c) No certificate shall be issued to any individual who is not certified by the National Fire Institute in one or more of the following areas:

- (1) NFI Gas Specialist;
- (2) NFI Wood-burning Specialist;
- (3) NFI Pellet Specialist.

(d) A journeyman's certificate shall not be issued to any individual with less than one year's experience as an apprentice.

Individuals wanting a master's certificate for gas fireplace and solid fuel shall be required to be certified by the National Fire Institute as both a gas and wood-burning specialist.

(e) Individuals holding a journeyman or master's mechanical (A-C) certificate are not required to obtain a SF-P, SF-W or GF certificate to install solid fuel or gas fireplace equipment.

Sec. 5.2.030. - Certificate—Classification.

(a) The certificate issued to an individual wishing to engage in the business of installing, repairing or replacing solid fuel wood-burning equipment shall be known as a class 'SF-W' certificate and shall authorize such individual, upon his complying with Section A.2.060, to engage in such business.

(b) The certificate issued to an individual wishing to engage in the business of installing, repairing or replacing solid fuel pellet-burning equipment shall be known as a class 'SF-P' certificate and shall authorize such individual, upon his complying with Section A.2.060, to engage in such business.

(c) The certificate issued to an individual wishing to engage in the business of installing, repairing or replacing gas fireplace equipment shall be known as a class 'GF' certificate and shall authorize such individual, upon his complying with Section A.2.060, to engage in such business.

(d) It shall be unlawful for any individual or contractor to engage in the business of installing, repairing or replacing solid fuel-burning equipment in the city or county, as applicable, unless and until a certificate has been obtained therefor and a license has been issued for such business and a permit has been issued for such work, all in accordance with the provisions of the Code.

(e) It shall be unlawful for any individual or contractor to engage in the business of installing, repairing or replacing gas fireplace equipment, unless and until a certificate has been obtained therefor and a license has been issued for such business and a permit has been issued for such work, all in accordance with the provisions of the Code.

Sec. 5.2.040. - Certificates—Fees—Expiration—Duration.

(a) The fee for each examination and original certificate of class 'SF-W', 'SF-P' or 'GF' shall be established by the Director of the MABCD to cover the administrative costs of issuing such certificates. All such certificates shall be renewed bi-annually upon payment of a fee established by the Director of the MABCD to cover the administrative costs of issuing such certificates. All certificates shall expire on the thirty-first day of December of each odd-number year and no reduction shall be made for part of the year being elapsed. Certificates which have not been renewed by March 1st after their expiration may be subject to reexamination and/or board appearance prior to reissuance of a certificate.

(b) All applicants for renewal must provide their current NFI certificate as required in Section 5.2.020 of this Code.

Sec. 5.2.050. - Application of related provisions of this code and additional codes adopted by reference.

All solid fuel-burning equipment and gas fireplace equipment installations, repairs or replacements shall comply with existing laws and ordinances as contained in the following parts of this Code and any other that may apply:

Mechanical Code - Article 5 of this Code;

Plumbing Code – Article 3 of this Code;

Electrical Code - Article 4 of this Code;

Building Code – Article 2 of this Code.

Sec. 5.2.060. - License requirement. See [Article 1.2](#) of this Code

Sec. 5.2.070 – Insurance required. See [Article 1.4\(c\)](#) of this Code.

Sec. 5.2.080. - Truth in advertising requirements. See [Article 1.4\(d\)](#) of this Code.

Article 5, Section 3 - PREFABRICATED ASSEMBLIES

Sec. 5.3.010. - Definitions.

The following definitions shall apply in the interpretation of this chapter:

(1) "Prefabricated assembly" means a structural unit, the integral parts of which have been built up or assembled prior to incorporation in the building or to being erected as a building unit.

(2) "Approved agency" means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the Director of the MABCD.

Sec. 5.3.020. - Certificate of approval.

A certificate of approval by an approved agency shall be furnished with every prefabricated assembly, except where the assembly is readily accessible to inspection at the site. The certificate of approval shall certify that the assembly in question has been inspected and meets all the requirements of Article 5 of this Code.

Sec. 5.3.030. - Field erection.

Placement of prefabricated assemblies at the building site shall be inspected by the mechanical inspector to determine compliance herewith.

Sec. 5.3.040. - Master mechanic's certificate or approved agency certification.

The installation of air conditioning and warm air heating equipment within or on any prefabricated assembly to be erected within the City or County, if applicable, shall be performed under the supervision of a person who has secured a master mechanic's certificate as set forth in Sec. 1.330, or shall have been factory installed and inspected by an agency approved by the building official.

Sec. 5.3.050. - Permits and fees.

Permits are to be obtained under Article 1.2 of this Code.